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The Sphecini Wasps of the Genera *Chilosphex* BOHART & MENKE, *Isodontia* PATTON, *Palmodes* KOHL, *Prionyx* VANDER LINDEN and *Sphex* LINNAEUS of the "Biologiezentrum Linz"-Collection in Linz, Austria, (Hymenoptera, Apoidea, Sphecidae)

H. DOLLFUSS

A b s t r a c t : 4914 specimens of Sphecini wasps from all over the world were examined. 40 species of the genus *Sphex*, 23 species of *Prionyx*, 8 species of *Palmodes*, 22 species of *Isodontia* and 2 species of *Chilosphex* could be found. All information on localities, dates of capture and the names of the collectors are listed.

K e y w o r d s : Apoidea, Sphecidae, Sphecinae, Sphecini.

Introduction

To complement my previous publications (DOLLFUSS 2001, 2004a, 2004b, 2006, 2008) I have tried to identify a lot of Sphecini of the Collection of "Biologiezentrum Linz" in Austria. Dr. Christian Schmid-Egger kindly sent me his provisional keys of Sphecini of Western and Central Palearctic region. This was a great help for the determination of specimens of this region. If possible I compared the results with specimens in the Museum of Natural History Vienna (NHMW) which were determined mostly by F.F. Kohl. All together 4914 specimens of Sphecini were examined (1908♀♀, 3006♂♂).

Complete information including the localities, dates of captures and the names of the collectors are listed.

Material examined

Tribe S p h e c i n i LATREILLE 1802

Genus *C h i l o s p h e x* BOHART & MENKE 1976 5♀♀, 4♂♂

Chilosphex argyrius (BRULLÉ 1833) 3♀♀, 3♂♂

C r o a t i a : 2♀♀, Baska, VIII.1970, leg. Heinrich; 1♂, Krk, Baska, VI.1967, leg. Heinrich; 2♂♂, Ins. Krk, Baska, 8.-30.VI.1973, leg. Heinrich.

I t a l y : 1♀, Ligurien, San Damiano öl. Testoco, 27.VI.1995, leg. Tiefenthaler.

Chilosphex pseudargyrius **(ROTH in de BEAUMONT 1967)** 2♀♀, 1♂

This species is very similar to *Chilosphex argyrius* ! The shape of the penis valves of the male from Turkey is slightly different from those of males of *argyrius*.

T u r k e y -S: 1♀, 20 km N Mardin, 21.VI.1997, leg. Ma. Halada; 1♀ 1♂, Akseki, Murtici, 3.VI.1996, leg. Snizek.

Genus *I s o d o n t i a* PATTON 1880 160♀♀, 213♂♂

Isodontia aurifrons **(F. SMITH 1859)** 3♀♀, 2♂♂ (compared with ♀ det. Hensen and ♂ with Lectotype ♂ of *I. triodon* KOHL (syn.), NHMW)

I n d i a : 1♂, Karnataka Sulya, Medikeri, 150m, 12°31.8'N 75°29.0'E, 8.V.2005, leg. M. Halada.

L a o s : 1♀, Khammouam pr., Bankhoun Ngeum, 250m, 18°07'N 104°29'E, 20.-29.V.2004, leg. Jendek & Sausa; 1♀, Vientian pr., 55 km N Vientiane, 18°25'N 102°49'E, 100m, 4.-18.V.2005, leg. Kresl.

M a l a y s i a : 1♀, Borneo, Sabah W, Crocker range E, W of Apin Apin, V.1999, leg. Snizek; 1♂, Pahang Banjaran Bnom Mts., 20 km S Kampong Ulu Dong, 1500-1900m, 17.-23.IV.1997, leg. Cechovsky.

Isodontia azteca **(de SAUSSURE 1867)** 1♀ (compared with ♀ det. Kohl, NHMW)

P e r u : 1♂, Prov. Ucayali, Pucallpa, 8°21'S 74°33'W, VII.1961, leg. ?.

Isodontia chrysorrhoea **(KOHL 1856)** 1♀ (compared with type material det. Kohl, NHMW)

V i e t n a m : 1♀, Tam Dao, 800-1100m, 21°28'N 105°38'E GPS, 19.V.1995, leg. Malicky.

Isodontia costipennis **(SPINOLA 1851)** 27♀♀, 34♂♂ (compared with ♀♂ det. Kohl, NHMW)

E c u a d o r : 2♀♀, Pr. Napo, Lumbaqui, 900m (Ölpumpstation), 7.I.1976, leg. Schacht; 6♀♀, 10♂♂, Napo prov., 70 km SW Coca, Loreto, 300m, 4.-10.III.2002, leg. Ma. Halada; 2♀♀, 4♂♂, Napo prov., 8 km S Tena, Puerto Napo, 400m, 16.-22.II.2002, leg. Ma. Halada; 1♀, 1♂, Loreto, 400m, 50 km SW Coca, 4.-11.III.2002, leg. Kudrna.

G u y a n e F r e n c h : 10♀♀, 13♂♂, 20 km E St. Laurent du Maroni, route Crique NAI, 25.XII.2006, leg. Snizek; 2♀♀, Relais de Patawa, 35 km S Roura, 17.VI.-16.VII.2000, leg. Kadlec; 1♀, Mount de Kaw, Camp Caiman, 23.-31.VIII.2006, leg. Snizek; 1♀, 3♂♂, NE Cayenne, W of Le Larivot, 8.XII.2006, leg. Snizek; 1♂, Route de Kaw, Caiman Camp env., 4.I.2007, leg. Snizek; 1♂, Matouri, 3.-17.IX.1992, leg. Marek; 1♂, Kourou, Guatemala env., 15.XII.2006, leg. Snizek.

M e x i c o : 1♀, Veracruz, 100m, Catemaco/Montepio, Biol. Station Las Tuxlas, 18°38'N 95°04W, 22.VII.1991, leg. Aspöck, Rausch, Ressl; 1♀, Veracruz, 30m, Montepio, 40 km N Catemaco, 24.-28.V.1997, leg. Jelinek.

Isodontia cyanipennis **(FABRICIUS 1793)** 5♀♀ (compared with ♀ *I. nigrocoeruleus* (syn.) det. Kohl, NHMW)

E c u a d o r : 1♀, Manabi, Canoa b. Bahia d. c. Om, 22.VI.1977, leg. Schacht; 1♀, Napo prov., 8 km S Tena, Puerto Napo, 400m, 16.-22.II.2002, leg. Ma. Halada.

G u y a n e F r e n c h : 1♀, Le Larivot env., 20.-29.XI.1995, leg. Snizek; 2♀♀, Régina env., 25.-30.I.2006, leg. Houska.

***Isodontia diodon* (KOHL 1890)** 2♀♀ (compared with Lectotype ♂ det. Kohl, NHMW)

I n d i a : 1♀, Kerala, Themala, 08°58.0'N 77°03.5'E, 100m, 5.V.2005, leg. M. Halada; 1♀, Tamil Nadu, 11 km SE Kotagiri Kunchapani, 1100m, 11°24'N 76°56'E, V.2003, leg. Pacholatko.

***Isodontia formosicola* (STRAND 1913)** 1♀ (compared with ♀ det. v.d. Vecht, NHMW)

I n d i a -NE: 1♀, Meghalaya Tura peak, 600-1000m, 25°30'N 90°14'E, 12.-22.VI.2007, leg. Pacholatko.

***Isodontia harmandi* (PÉREZ 1905)** 1♀, 3♂♂

J a p a n : 1♀, Niigata, 15.VIII.1963, leg. Itami; 1♂, Ehime omogo, 22.VIII.1964, leg. Itami; 1♂, Chichila Tamanashi Pref., 9.VII.1955, leg. Negate; 1♂, Chichibu, Gumara pref., 21.VII.1955, leg. Nagase.

***Isodontia leonina* (de SAUSSURE 1890)** 1♂

M a d a g a s c a r : 1♂, Ioamasina prov., Moramanga env., 19.I.2003, leg. Ive Jenis.

***Isodontia mexicana* (de SAUSSURE 1835)** 24♀♀, 16♂♂

C r o a t i a : 3♀♀, Istria, Vodnjan env., 7.-9.VII.1999, leg. J. Halada; 2♀♀, 1♂, Istria, 10 km N Pula, 25.VIII.1995, leg. J. Halada; 2♀♀, 1♂, Istria, Porec env., 1.-3.IX.1996, leg. J. Halada; 1♀, Senj, 13.VII.1993, leg. M. Halda; 2♂♂, Istria, Laborica, 20.VII.2002, leg. Ma. Halada; 1♂, Istria, Vodnjan env., 24.VIII.1998, leg. J. Halada.

I t a l y : 7♀♀, 3♂♂, Basilicata, 25 km W Lauria, 4.-5.VII.1999, leg. J. Halada; 1♀, 40 km S Udine, 26.VI.2002, leg. J. Halada; 1♀, Toscana reg., 20 km NE Firenze, 5.-6.VII.2000, leg. J. Halada; 1♀, Molise, 10 km S Termoli, 24.VIII.1997, leg. J. Halada; 1♀, (Lago di Garda) Torri, 15.IX.1991, leg. Deneš; 3♂♂, Toscana, Isl. Orbetello, 6.VIII.1999, leg. J. Halada; 1♂, Lazio, 10 km N Roma Todi, 27.VII.1999, leg. J. Halada.

S l o v e n i a : 1♀, 2♂♂, 5 km E Koper, 10.VII.1999, leg. J. Halada.

S p a i n : 2♀♀, Catalunya, Palamos, 2.-6.IX.1997, leg. Stary; 1♀, 1♂, Catal. Palamos, VII.1994, leg. Stary; 1♀, 1♂, Costa Brava, Platja de Aro, 8.-14.IX.1991, leg. Deneš.

***Isodontia nigella* (F. SMITH 1856)** 1♀, 2♂♂ (compared with ♀ det. Kohl, NHMW)

J a p a n : 1♀, Niigata, Shibata City, 15.VIII.1964, leg. unreadable; 1♂, Osana env., 22.VII.1958, leg ?; 1♂, unreadable, coll. Kocourek.

***Isodontia ochroptera* (KOHL 1890)** 6♀♀, 9♂♂ (compared with ♀♂ det. Kohl, NHMW)

I n d i a -NE: 1♀, Meghalaya Tura peak, 600-1000m, 25°30'N 90°14'E, 12.-22.VI.2007, leg. Pacholatko.

I n d o n e s i a : 3♀♀, 1♂, Bali isl., Tamblingan lake, Bedugul distr., 1200m, VII.2004, leg. Jakl; 1♀, 6♂♂, IDN-Bali Isl, Bedugul reg. Tamblingan lake N.R., 1300m, III.2005, leg. Jakl.

L a o s -c: 1♂, Bolikhamsai pr., Ban Nape env., 350m, 7.-16.V.2004, leg. Jendek & Sausa.

M a l a y s i a : 1♀, Pahang, 30 km N Raub, Lata Lembik 300m, 5°56'N 101°38'E, IV.- V.2002, leg. Jendek & Sausa.

Isodontia paludosa **(ROSSI 1790)** 11♀♀, 18♂♂

B u l g a r i a : 1♂, Sandanski, VI.1969, leg. Kocourek.

C r o a t i a : 3♂♂, Istria, Portoroz, VI.1970, leg. Parré; 1♂, Iugobi, VI.1967, leg. Heinrich; 1♂, Ins. Krk, 8.-30.VI.1976, leg. Heinrich; 3♂♂, Dalmatien, Krk, Baska, 7.-20.VII.1984, leg. Tiefenthaler; 1♂, Molunat, 27.VI. ?, coll. Kocourek.

G r e e c e : 2♀♀, 3♂♂, Ipiros, Ori Pargas Sivota, V.2000, leg. Kanter; 1♀, Pelopones, Sparti 6 km bor., 12.VI.1989, leg. Chalupek; 1♀, Kinetra env., 3.VII.1997, leg. Deneš sen.; 1♀, Pelopon., 20 km E Sparta Ag. Anagiri, 5.VII.1996, leg. Ma. Halada.

I t a l y : 1♀, Gergano Mattinata, 13.-19.VI.1992, leg. Plicek; 1♂, Sicilia, Madonie, 4 km E Collesano, 600m, 15.VI.2002, leg. J. Halada.

J o r d a n : 1♀, Jordan Valley Mubalath, 27.IV.1996, leg. Mi. Halada.

T u r k e y : 1♀, Van Town bor., 28.VI.1993, leg. Jorousek; 1♀, Adijaman, Kuyucak, 8.VI.1998, leg. Snizek; 1♀, Reg. Fethiye, Üzümlü, 800m, 36°52'59''N 02°10'04''E, 1.-11.VI.1999, leg. Dauber; 1♀, 1♂, N Akseki, 19.VI.1998, leg. Ma. Halada; 1♂, Konakli macchina hill (10 km W Alanya), 1.-5.VI.2006, leg. Dolansky; 1♂, Avgadi, 30 km NW Erdemli, 1300m, 20.VI.1996, leg. Jelinek; 1♂, 30 km N Erdemli, Aslanli, 17.VI.1998, leg. Ma. Halada.

Isodontia paranensis **(BERLAND 1926)** 3♀♀, 11♂♂

A r g e n t i n a : 3♀♀, 11♂♂, Pronun Iamiento, Prov. Entre Rios, 23.II.1964, leg. Walz.

Isodontia pelopoeiformis **(DAHLBOM 1845)** 8♀♀, 13♂♂ (compared with ♀♂ det. Kohl, NHMW)

B e n i n : 1♀, Kandi env., Saa, 22.VI.2001, leg. Kantner; 1♂, Save env., 10.VI.2001, leg. Kantner.

K e n y a : 1♂, Voi (Tsavo) env., 8.-18.XI.1996, leg. Mi. Halada; 1♂, Taita Hills Wundanyi, 18.-22.III.1997, leg. Ma. Halada.

M a l a w i : 1♀, 2♂♂, 85 km SE Lilongwe Dedza, 5.-12.I.2002, leg. J. Halada.

R e p u b l i c o f S o u t h A f r i c a : 2♀♀, Mpumalanga, 40 km SW Komatipoor, 1.-2.I.2004, leg. J. Halada; 1♀, North West, 20 km W Bothaville Klerksdorp Vaal Riv., 1.I.2001, leg. Snizek; 2♂♂, Maputoland Tembe Elephant Park, Jozini, 22.I.2003, leg. Snizek & Krivan; 4♂♂, Maputoland, SW Emanguzi, 29.I.2003, leg. Snizek; 1♂, Kwaza Zulu Natal-NE, 20 km S Emanguzi, 3.XII.2002, leg. Ma. Halada.

T a n z a n i a : 1♀, Pwani prov., 15 km W Kibiti, 07°47'S 38°49'E, 100m, 15.I.2007, leg. J. Halada; 1♀, Shinyanga pr., 100 km NWW Kajama, 03°25'S 31°47'E, 1200m, 24.XII.2006, leg. J. Halada; 1♂, Morogors, I.1981, leg. ?.

Isodontia pelopoeiformis* var. *longiventris **(de SAUSSURE 1867) sensu ARNOLD 1928: 354** 4♀♀, 22♂♂

K e n y a : 1♀, Kiboko env., 21.XI.1999, leg. Snizek; 1♀, E Mwingi, 14.V.2007, leg. M. Halada; 1♂, Voi (Tsavo) env., 22.XI.-2.XII.1996, leg. Mi. Halada; 2♂♂, Voi (Tsavo), 8.-18.XI.1996, leg. Snizek & Mi. Halada; 1♂, Voi, 16.V.2007, leg. M. Halada; 1♂, Mwingi, Kangonde vada, 18.IV.2007, leg. M. Halada.

M o z a m b i q u e : 1♂, Manicata pr., 70 km SE Chimoio, 23.-24.XII.2003, leg. J. Halada; 1♂, 30 km NW Catandica, 17°47'S 33°07'E, 630m, 12.XII.2005, leg. Kadlecova.

R e p u b l i c S o u t h A f r i c a : 3♂♂, Maputoland, Tembe Elephant Park env. (Jozini), 22.I.2003, leg. Krivan.

T a n z a n i a : 3♂♂, 35 km E Dodoma, 1100m, 05°54'S 35°45'E, 14.XII.2006, leg. J. Halada; 1♂, Dodomapr., 70 km N Dodoma, 05°40'S 35°48'E, 1300m, 16.XII.2006, leg. J. Halada.

Z a m b i a : 2♀♀, 150 km SW Solwezi, 13°02'S 25°45'E, 1300m, 15.XI.2005, leg. M. Halada;

2♂♂, 40 km W Chingola, 12°27'S 27°35'E, 1200m, 7.XI.2006, leg. M. Halada; 1♂, 70 km NE Kapiri Mposhi, 13°41'S 29°18'E, 1250m, 21.IX.2005, leg. M. Halada.

Z i m b a b w e : 5♂♂, Mushandike N.P., Maswingo, 10.XII.1998, leg. J. Halada.

***Isodontia philadelphica* (LEPELETIER de SAINT FARGEAU 1845)** 1♂ (compared with ♂ det. Kohl, NHMW)

C a n a d a : 1♂, Ontario, London, 11.-23.VI.1999, leg. Pavel.

***Isodontia sepicola* (F. SMITH 1859)** 1♀, 2♂♂

A u s t r a l i a : 1♀, 2♂♂, Hourmans gap., II.1989, leg. Holmes.

***Isodontia severini* (KOHL 1889)** 1♀, 4♂♂ (compared with ♂ det. v.d. Vecht, NHMW)

I n d o n e s i a : 1♀, W-Java, Bogor, Bot. Gard., 250m, 13.I.1961, leg. Hamann; 1♂, W-Java, Bogor, Tjimangu, 8.II.1961, leg. Pa Manis +S; 1?, W-Jawa, V. Salak, Bogor, 28.I.1961, leg. Pa Manis + S.

M a l a y s i a : 2♂♂, Borneo, Sabah W, Crocker range E, W of Apin Apin, II.2000, leg. Snizek.

***Isodontia simoni* (DU BUYSSON 1898)** 6♀♀, 5♂♂ (compared with ♀♂ det. Kohl, NHMW)

M a l a w i : 2♀♀, 80 km E Liongwe Selima env., 3.-4.I.2002, leg. J. Halada; 1♀, 100 km S Kasungu, 29.XII.2001, leg. J. Halada; 1♂, Viphya Forest Res. Luwawa Dam, 30.XII.2001, leg. J. Halada.

R e p u b l i c S o u t h A f r i c a : 1♂, Transvaal Louis Trichardt Ihgwe, 8.II.1988, leg. Malicky.

Z a m b i a : 1♀, 60 km W Solwezi, 4.-8.I.2003, leg. J. Halada; 1♀, 140 km NE Kapiri Moshi, 1500m, 13°31'S 29°48'E, 23.XI.2006, leg. M. Halada; 1♂, 120 km S Lusaka, 30.XI.2002, leg. J. Halada.

Z i m b a b w e : 1♀, 1♂, 30 km W Harare, 22.XII.1998, leg. J. Halada; 1♂, 25 km NE Samva Nyagui r. (Bindura), 15.XII.1998, leg. J. Halada.

***Isodontia splendidula* (A. COSTA 1858)** 16♀♀, 26♂♂

B u l g a r i a : 1♀, Kresna, 21.VI.1990, leg. Tkalců; 1♀, 1♂, Primorsko, 30.VI.1998, leg. J. Halada; 1♀, Micurin, VII.1977, leg. ?; 1♀, 1♂, Kresna, 12.VII.1990, leg. Tkalců; 1♂, Kresna, 14.VII.1990, leg. Tkalců; 1♂, Sandanski, 22.VII.1966, leg. Kocourek; 1♂, VI.1969, leg. Kocourek; 2♂♂, Lozenec (Carevo), 23.VI.1998, leg. Ma. Halada.

C r o a t i a : 2♀♀, 1♂, Istria, Vodnjan env., 7.-9.VII.1999, leg. J. Halada; 1♀, 1♂, Umag env., 30.-31.(?).1996, leg. J. Halada; 1♀, Senj, 13.VII.1993, leg. M. Halada; 2♀♀, Portoroz, 12.-18.VII.1959, leg. Heinrich; 1♀ unreadable; 1♂, IstriaW, 10 km E Rovinj, 16.VII.2002, leg. Ma. Halada; 1♂, Istria, SW Peroj, 17.VII.2002, leg. Ma. Halada; 1♂, Istria, Rovinj, VI.1969, leg. Parré; 1♂, Island Uglian (Kali), 18.VII.1968, leg. Hoffer.

G r e e c e : 1♀, 1♂, Pelopon., 40 km N Tripoli Scotini, 3.VII.1996, leg. Ma. Halada; 1♀, Pelopon., 20 km W KalamataPetalidi, 6.VII.1996, leg. Ma. Halada; 3♂♂, Pelopon., 20 km N Pilos Marathopoli, 8.VII.1996, leg. Ma. Halada; 1♂, 10 km NE Ioannina, 1.VII.1996, leg. Ma. Halada.

I n d i a -N (!): 1♀, Uttaranchal st, 13 km NW Nainital, 950m, 18.VII.2003, leg. Kejval & Tryzna.

I t a l y : 1♀, Lazio, 100 km N Roma Todi, 27.VII.1999, leg. J. Halada; 2♂♂, Basilicata, 25 km W Lauria, 4.-5.VIII.1999, leg. J. Halada; 1♂, Calabria, 40 km S Cosenza Atilia, 29.VII.1999, leg. J. Halada.

T u r k e y : 1♀ 1♂, Manisia, 30 km SEE Salihli, 33°22'N 26°25'E, 430m, 29.VI.2006, leg. J. Halada; 1♂, Adapazar (Sakatya), 25 km S Adapazar, 14.VII.2006, leg. J. Halada; 1 ♂, Avagadi, 30 km NW Erdemit, 1300m, 20.VI.1996, leg. Jelinek; 1♂, Iskenderum, 16.VI.2000, leg. M. Halada; 1♂, Manisia, 30 km SEE Salihli, 38°22'N 28°25'E, 430m, 29.VI.2006, leg. M. Halada.

***Isodontia stanley* (KOHL 1890)** 31♀♀, 33♂♂ (compared with type ♂ det. Kohl, NHMW)

N o t e : The coloration of this species is extremely variable. KOHL 1890: 376: " Schwarz. Hinterleib und Beine, oft auch Fühler, in veränderlicher Weise ins Dunkelpechrothe übergehend. Die Art kommt auch ganz schwarz vor, besonders im männlichen Geschlechte...... in der Erscheinung täuschend dem *Sphex splendidulus* COSTA ähnlich, nur der Hinterleibsstiel ist sichtlich länger."

B e n i n : 2♂♂, Save env., 16.VI.2001, leg. Kantner; 1♂, 105 km N Parakou Bembereke, 2.VII.2001, leg. Kantner.

E t h i o p i a : 1♀, Sidamo pr., 40 km W Sodo, 1130m, 12.IV.2007, leg. W. Halada.

K e n y a : 1♂, Voi (Tsavo) env., 8.-18.XI.1996, leg. Mi. Halada.

M a l a w i : 1♀, Nkhata Bay, lake Malawi, 1.I.2001, leg. J. Halada.

M o z a m b i q u e : 1♀, Inhambane pr., 25 km N Massinga, 5.+29.XII.2003, leg. J. Halada.

N a m i b i a : 1♀, 100 km SW Rundu, 1.II.1993, leg. J. Gusenleitner; 1♀, 40 km E Rundu, 21.I.1993, leg. J. Gusenleitner; 1♀, 80 km SW Rundu, 25.I.1993, leg. J. Gusenleitner; 1♂, Grootfontein, Kupferberg-Farm, 25 km E Otavi, 19°38'51''S 17°34'23''E GPS, 1600-1700m, 9.II.1994, leg. H. & R. Rausch.

R e p u b l i c S o u t h A f r i c a : 12♀♀ 6♂♂, Maputoland Tembe Elephant Park, Jozini, 22.I.2003, leg. Snizek & Krivan; 2♀♀, Kwaza Zulu Natal Mbazwana, 6.XII.2002, leg. Ma. Halada; 1♀, 1♂, Kwazulu Natal Ladysmith, 20.I.2003, leg. Snizek; 1♀, Maputoland SW Emanguzi, 29.I.2003, leg. Snizek; 2♂♂, Kwaza Zulu Natal-N, Tembe Elephant Park, 8.XII.2002, leg. Ma. Halada; 1♂, Mpumalanga, 20 km SE Nelspruit, 27.XI.2003, leg. J. Halada; 1♂, Mpumalanga, 20 km NE Barbeton, 20.-30.XI.2003, leg. J. Halada; 1♂, Mpumalanga, Waterval Boven, 10.-14.II.2000, leg. J. Halada; 1♂, O.F.S., 30 km N Colesberg Orange riv., 25.IX.2002, leg. M. Halada; 1♂, Kwaza Zulu Natal, Tembe Elephant Park, 30.XI.2002, leg. Ma. Halada; 1♂, Waterberg Phabazimbi env., Kvansberg farm, XII.2000, leg. Tichy.

S e n e g a l : 1♀, 35 km W Kedougou Nbebou, 23.VI.2004, leg. Ma. Halada.

T a n z a n i a : 2♂♂, Iringa pr., 50 km NW Iringa 07°41'S 35°22'E, 1000m, 7.I.2007, leg. Halada & Kadlecova; 1♂, Pwani prov., 15 km W Kibiti, 07°47'S 38°49'E, 100m, 15.I.2007, leg. J. Halada.

U g a n d a : 1♀, 20 km NE Gulu Patico, 5.XII.2001, leg. Snizek.

Z a m b i a : 1♂, 30 km SE Choma, 27.VII.2002, leg. J. Halada; 1♂, 70 km S Mpika, 12°18'S 31°07'E, 1500m, leg. M. Halada; 1♂, 50 km W Chingola, 1.-2.I.2003, leg. J. Halada; 1♀, 70 km NE Kapiri Mposhi, 21.XI.2005, leg. Snizek; 1♀, 1♂, 70 km NE Kapiri Mposhi, 13°41'S 29°18'E, 1250m, 21.XI.2005, leg. M. Halada; 1♀, 30 km NW Kazangula, 23.XII.2002, leg. J. Halada; 2♀♀, 30 km W Livingstone, 19.-22.XII.2002, leg. J. Halada; 1♀, 150 km SW Solwezi, 10°02'S 25°45'E, 1300m, leg. M. Halada.

Z i m b a b w e : 3♂♂, Ngezi Rec. Park Kwekwe, 1.XII1998, leg. J. Halada; 1♂, 25 km NE Samva Nyagu r. (Bindura), 15.VII.1998, leg. J. Halada; 1♂, Mavhuradonna Saf. A., 15 km SE Muzarabani, 17.XII.1998, leg. M. Halada; 1♂, Mushandike N.P. Masvingo, 10.XII.1998, leg. J. Halada.

***Isodontia visseri* WILLINK 1951** 5♀♀, 11♂♂

A r g e n t i n i a : 4♀♀, 10♂♂, Pronuniamiento Prov. Entre Rios, II.1964, leg. Walz.

G u y a n e F r e n c h : 1♀, Régina env., 25.-30.I.2006, leg. Houska.

U r u g u a y : 1♂, 70 km SW Artigas Pampa d. Lavalleja, X.2001, leg. Linek.

Male genitalia were examined, penis valves are characteristically shaped.

***Isodontia* sp.** 2♀♀ Gaster complete reddish!

G u y a n e F r e n c h : 2♀♀, 20 km E of St. Laurent du Maroni, route Crique NAI, 25.XII.2006, leg. Snizek.

Genus *P a l m o d e s* KOHL 1890 172♀♀, 283♂♂

***Palmodes carbo* BOHART & MENKE 1961** 1♀

U . S . A . : 1♀, Alamosa, 2400m, Alamosa Co., 26.VII.1978, leg. Deschka.

***Palmodes dimidiatus* (DE GEER 1773)** 1♂

U . S . A . : 1♂, Scenic Drive, 1500m, Capitol Reef Nat'l Pk., Wayne Co., Utah, 10.VIII.1978, leg. Deschka.

***Palmodes melanarius* (MOCSÁRY 1883)** 6♀♀, 19♂♂ (compared with type *P. anatolicus* ♀ (syn.) det. Kohl and ♂ det. Mercet, NHMW)

K a z a k h s t a n : 1♀, Darabaza, 40 km N Tachkent, 30.V.1994, leg. Ma. Halada; 1♂, Dzambul env., Kara Tau prusnyk Ujuk, 1000m, leg. Padr.

K y r g y z s t a n : 1♀, 1♂, Kirghizsky Mts., Tchon-Aryk, 900m, 11.VII.2001, leg. Gurko; 1♀, Tchu Vall., 10 km NNE Telek, 550m, 43°10'N 74°03'E, 19.VI.2000, leg. Zonstein; 1♂, Kirg. Mts., Tschon-Aryk, 900m, 30.VII.2001, leg. Gurko.

S y r i a : 1♀, 2♂♂, Anata, 50 km SE Suwayda, 20.-21.V.1996, leg. Mi. & Ma. Halada; 1♂, Dara Wadi Al Marir, 20.V.1995, leg. Nemec.

T u r k m e n i s t a n : 1♀, 2♂♂, Aschabad env., 15.V.1993, leg. M. Halada; 1♀, 9♂♂, Sandikatzi env., 3.-13.V.1993, leg. M. & J. Halada & Deneš; 4♂♂, Aschabat, 40 km W Firyuza, 6.VI.1993, leg. M. Halada; 1♂, Nebit-Dag, 25 km NW Jebel, 28.VI.1993, leg. M. Halada; 2♂♂, Nebit-Dag, 1.V.1993, leg. M. Halada; 1♂, Annau/Kara-kum des., 26.IV.1977, leg. Svozil.

***Palmodes minor* (F. MORAWITZ 1890)** 26♀♀, 76♂♂

K a z a k h s t a n : 7♀♀, 64♂♂, Dzambul env., Kara Tau, prusnyk Ujuk (1000m), 3.VI.1980, leg. Padr; 9♀♀, 3♂♂, Malaysari, 144 km N Alma-Ata, 25.VI.1992, leg. M. Halada & Jirousek; 5♀♀, 3♂♂, Malaysari, 144 km N Alma-Ata, 21.VI.1992, leg. M. Halada & Jirousek; 3♀♀, 2♂♂, Malaysari, 144 km N Alma-Ata, 29.VI.1992, leg. M. Halada & Jirousek; 2♀♀, Fabritchny, 40 km E Alma-Ata, 9.VII.1992, leg. Jirousek; 1♂, Nebit Dag, 25 km NW Jebel, 22.V.1993, leg. M. Halada.

K y r g y s t a n : 1♂, Frunse, 15 km jiz Cin-Arik, 8.VII.1981, leg. Kocourek; 1♂, Dzhalal-Abadskaya, Südausläufer d. Atenoksky-Geb., Umgeb. Kurp, Tald. Kurpsaj, 41°31'N 72°19'E, 950-1200m, 17.-19.VI.1996, leg. H. Rausch.

U z b e k i s t a n : 1♂, Zeravshan Mts.: Aman-Kutan Pass, 1700m, 39°18'N 66°54'E, 25.V.2000, leg. Makogonova (determination doubtful).

***Pamodes occitanicus* (LEPELETIER de SAINT FARGEAU & SERVILLE 1828)** 52♀♀, 84♂♂

Specimens with gaster base reddish: 24♀♀, 34♂♂

C r o a t i a : 3♀♀, Istria, SW Vodnjan, 18.VII.2002, leg. Ma. Halada; 3♀♀, Insel Krk, Baska, 16.VIII.-6.IX.1976, leg. Heinrich; 2♀♀, Baska, 1.-24.VIII.1975, leg. Heinrich; 3♀♀, Baska, VIII.1971, leg. Heinrich; 1♀, 5♂♂, Baska, VIII.1970, leg. Heinrich; 1♀, Crna Gera-Ulcinj, 15.-20.VII.1967, leg. Padr; 2♀♀, 6♂♂, Istria W, 10 km E Rovinj, 16.VII.2002, leg. Ma. Halada; 7♂♂, Baska, VI.1973, leg. Heinrich; 3♂♂, Ins. Krk, Baska, 8.-30-VI.1973, leg. Heinrich; 4♂♂, Istria, SW Peroy, 17.VII.2002, leg. Ma. Halada.

G r e e c e : 1♀, Preveza Ag Apostoli, 23.-29.VI.2001, leg. Cerny; 1♀, Epeiros Igoumenitsa, 28.VIII.1997, leg. J. Halada; 1♂, Serifos, Koutalas, 37°09'N 24°28'E, 400m, 13.V.1990, leg. Malicky; 1♂, Preveca, /.VI.1992, leg. Dvorak.

H u n g a r y : 50 km SE Budapest Örkeny, 5.-9.VIII.2004, leg. Ma. Halada; 1♀, 3♂♂, Kecskemét env., 16.VII.2006, leg. J. Halada.

I t a l y : 1♀, 2♂♂, Sardegna N, Nuroro env., 25.-26.VI.2000, leg. J. Halada; 2♀♀, Calabria, 40 km S Cosena Atilla, 20.VI.1999, leg. J. Halada; 1♀, 10 km Castrovillari, Mt. Poltina, 3.VIII.1999, leg. J. Halada.

M o n g o l i a : 1♀, Övörkhangay, 137 km NE Arvaykheer, 47°20'N 103°40.5'E, 1250m, 2.VII.2004, leg. Kadlecova.

R u s s i a : 1♂, E-Sibiria c.-Tuva Uyuksky mg., 900m, Susvill, 13.VI.2002, leg. Gurko.

U z b e k i s t a n : 1♂, Tchatkal Mts., Mt. Surenata, 1800m, 41°24'N 69°51'E, 30.V.1977, leg. Zonstein.

Specimens with gaster all black: 28♀♀, 50♂♂

G r e e c e : 1♀, Samos, Drakej, 11.VI.2000, leg. Zarre; 1♀. Samos, Pythagorio, Lake Glifada (E airport), 10m, 31.VII.2002, leg. Aistleitner.

I r a n : 1♀, prov. Fars, 7 km SW Dast-e-Arzán, 2085m, 29°27'N 51°55'E, 26.VI.2003, leg. Procházka.

J o r d a n : 1♀, Dead Sea, 16.IV.1996, leg. Ma. Halada; 1♀, Jordan Valley, Dayr Alla, 27.VI.1996, leg. Ma. Halada.

K a z a k h s t a n : 1♂, Usturt plat Beneu-Aktau road, V.2000, leg. Miatleuski; 1♂, Alma Ata, 35 km záp Aksaj, 16.VII.1981, leg. Kocourek.

K y r g y z s t a n : 1♀, 1♂, Tshatkal Mt.R. Shikaftar, VII.2001, leg. Gurko; 1♀, 3♂♂, Kirgizsky Mts. Ala-Archa riv., Kashka-Suu, 1650m, VII.2000, leg. Gurko.

M o n g o l i a : 7♀♀, 10♂♂, 100km W Mandagov Sangiyn Dalay, 7.VII.2005, leg. J. Halada; 2♀♀, 100 km SSW Baruun-Urt, 1100m, 30.VII.2007, leg. M. Halada; 1♀, 50 km SW Choibalsan, 960m, 25.VII.2007, leg. J. Halada; 1♀, Bayankhongor prov., 16 km NW Bayankhongor, 46°31.5'N 100°30.5'E, 2165m, 10.VII.2004, leg. Straka; 1♂, Atayn Mts. Gichigniy Nuruu Balgan env., 12.VII.2005, leg. J. Halada.

S p a i n : 1♂, 5 km NE Tarifa (b. Algeciras), 20.VI.1974, leg. Aigner.

S y r i a : 2♀♀, 13♂♂, Anata, 50 km SE Suwayda, 20.-21.V.1996, leg. Mi. & Ma. Halada; 1♂, 30 km N Dara Nawa, 18.V.1996, leg. Ma. Halada; 1♂, Faouar (UN-Camp), 950m, 35°53'N 33°13'E, 23.IX.2001, leg. Plass.

T u r k e y : 1♀, 20 km NW Igdir, 29.VI.1997, leg. Ma. Halada; 1♀, 1♂, Muradiye, 3.VII.2000, leg. M. Halada; 1♀, 3♂♂, Denizli, 10 km NE Denizli, 37°56'N 29°07'E, 290m, 4.VII.2006, leg. M. Halada; 1♀, Asia Minor, Marmaris, 10.VIII.1984, leg. Link; 1♀, Reg. Fethie, 500m, Üzümlü, 36°51'59''N 029°10'04''E, 1.-11.VII.1999, leg. Dauber; 1♀, 1♂, Denizli, 35 km SSE Denizli, 37°37'N 29°17'E, 970m, 5.VII.2006, leg. J. Halada; 1♀, Ürgüp env., 30 km E Nevsehir, 1400m, 30.V.2001, leg. Deneš jun.; 1♀, Manisia, 30 km SEE Slihli, 38°22'N 28°25'E, 430m, 29.VI.2006, leg. M. Halada; 1♂, Denizli, 10 km NE Denizli, 37°56'N 29°07'E, 270m, 5.VII.2006, leg. J. Halada; 2♂♂, 20 km E Alanya, 16.VI.1997, leg. Ma. Halada; 1♂, 20 km SE Horasan Delibaba, 3.VII.1997, leg. Ma. Halada; 1♂, 20 km N Urfa Caylarbasi, 2.VI.1998, leg. Ma. Halada; 1♂, Silifke, 26.V.2001, leg. Snizek; 1♀, Acigöl, Cardak env., 7.VII.1993, leg. Deneš; 1♀, Edremit Ören, 39°33'N 27°02'E, 4.-15.VIII.1987, leg. Dollfuss.

T u r k m e n i s t a n : 1♂, Aschabat 40 km W Firyuza, 6.VI.1993, leg. M. Halada; 1♂, Nebit-Dag, 25 km NW Jebel, 22.V.1993, leg. M. Halada.

U z b e k i s t a n : 1♂, Karzhatan Mts. Aktash vill., 1.VI.2003, leg. Gurko.

***Palmodes orientalis* (MOCSÁRY 1883)** 22♀♀, 12♂♂

K a z a k h s t a n : 1♀, Fabritchny, 40 km E Alma Ata, 23.VI.1992, leg. M. Halada. (determination doubtful!)

M o n g o l i a : 5♀♀, 4♂♂, Mongol Els. n. res. 47°24'N 103°39'E, dunes, 1320m, 31.VII.2005, leg. J. Halada; 3♀♀, 3♂♂, 75 km W Ulaanbaatar dunes, 2.VII.2005, leg. J. Halada; 4♀♀, Chuluut Gol (riv.), 47°48'N 100°19'E, 1940m, 23.VII.2005, leg. J. Halada; 2♀♀, 2♂♂, 90 km NE

Tsetserleg, 45°03'N 102°25'E, 1400m, 27.VII.2005, leg. J. Halada; 1♀, 90 km N Ulanbatar Segnezer riv., 1450m, 6.-8.VII.2003, leg. J. Halada; 5♀♀, 100 km NE Ondorkhaan Kherlen riv., 970m, 22.VII.2007, leg. J. Halada; 3♂♂, Övörkhangay, 137 km NE Arvaykheer, 47°20'N 103°40.5'E, 1250m, 26.VII.2004, leg. J. Halada.

R u s s i a : 1♀, E Siberia, S-Tuva Tanuole mg., 1400m, Torgun riv. vall., 22.V.2002, leg. Gurko. (determination doubtful!)

The females are characterized by face below antenna, pronotum, parts of mesonotum and parts of leg covered with fine silver pilosity. Gaster black. 20-25 mm. The males are characterized by a mesonotum with fine sculpture, no shining interspaces visible (similar to *P. strigulosus* or some more coarse). Anterior margin of Clypeus short, medially emarginated. Sternite VIII more or less heart-shaped. Gaster all black. 17-20 mm. The association of the ♂♂ to ♀♀ of *P. orientalis* is hypothetical and is made because of the same habitat. Further examinations should be done!

V a r i a t i o n (?): Gaster basal reddish. Male genitals like those of the black specimens.

M o n g o l i a : 3♀♀, Bayankhongor, 86 km NW Bayankhongor, 46°50'N 100°04'E, 2070m, 14.VII.2004, leg. J. Halada; 2♀♀, 4♂♂, 100 km E Ulanbatar, 20 km NE Tereltz, Tuul riv., 15.-21.VII.2003, leg. J. Halada; 4♀♀, 2♂♂, Arkhangay, 160 km NW Tsetserleg, 47°11'N 99°43'E, 2100m, 20.VII.2004, leg. Kadlecova; 2♀♀, 90 km NE Tsetserleg, 45°03'N 102°25'E, 1400m, 27.VII.2005, leg. J. Halada; 2♀♀, Chuluut Gol (riv.), 47°48'N 100°19'E, 1940m, 23.VII.2005, leg. J. Halada; 1♀, Bayankhongor prov., 86 km NW Bayankhongor, 46°50'N100°04'E, 2070m, along Ölziyt Gol, 13.-15.VII.2004, leg. Straka; 1♀, lake Terkhiyn Tsagaan, 47°11'N 99°43'E, 2100m, 22.VII.2005, leg. J. Halada; 1♀, Mongol Els n. res. dunes, 1320m, 47°24'N 103°39'E, 31.VII.2005, leg. J. Halada; 4♂♂, 90 km N Ulanbatar, Segnezer riv., 1450m, 6.-8.VII.2003, leg. J. Halada; 1♂, Arkhangay, 25 km N Tsetserleg, 47°28'N 101°45'E, 1730m, 23.VII.2004, leg. J. Halada; 1♂, Övörkhangay, 137 km NE Arvaykheer, 47°20'N 103°40.5'E, 1250m, 2.VII.2004, leg. J. Halada.

U z b e k i s t a n : 1♀, Tchatkal Mts., Mt. Surenata, 1800m, 41°24'N 69°51'E, 30.V.1997, leg. Zonstein.

Palmodes pusillus (GUSSAKOVSKIJ 1930) 1♀

K a z a k h s t a n : 1♀, Fabritchny, 40 km E Alma-Ata, 9.VII.1992, leg. Jirousek.

This determination is doubtful!

Palmodes strigulosus (A. COSTA 1843) 47♀♀, 91♂♂ (compared with ♂ det. Kohl, NHMW)

B u l g a r i a : 1♀, 17♂♂, Sandanski, VI.1969, leg. Kocourek.

F r a n c e : 1♂, Agay (Var), 23.VI.1972, leg. Padr; 1♂, Le Lavanclou, coll. Kocourek.

G r e e c e : 3♀♀, 6♂♂, Pelopon., 20 km N Pilos Marathopoli, 8.VII.1996, leg. Ma. Halada; 1♀, Preveza St. Thomas, 5.-8.VII.1997, leg. Cerny; 2♂♂, Preveza env., 25.VI.1997, leg. Deneš sen.; 1♂, Prov. Florina, 16 km N Ptolemais, 630m, 14.-16.VI.1988, leg. Tiefenthaler.

K a z a k h s t a n : 3♀♀, 4♂♂, Kuyuk, 40 km SW Djambul, 1.VII.1992, leg. Jirousek & M. Halada; 6♂♂, Vanovka, 80 km E Djambul, 30.VI.1992, leg. M. Halada; 1♂, Lugonoe, 150 km W Djambul, 7.VII.1992, leg. M. Halada; 1♂, Dzambul env., Kara Tau, prusmyk Ujuk, 1000m, 3.VI.1980, leg. Padr.

K y r g y z s t a n : 1♀, Dzahal-Abad area, Sharnaldy Say, VI.2000, leg. Gurko; 2♀♀, Kirghizsky Mt. R., Uzun-Bulag, Ala-Archa riv., VII.2000, leg. Gurko; 5♀♀, 1♂, Frunse, 15 km jiz Cis-Arik, 8.VII.1981, leg. Kocourek; 2♂♂, Afleatum env., 41.6°N 71.6°E, 1.-3.VI.1995, leg. J. Halada; 1♂, Tchon-Aryk, foothills 2 km S Bishkek, 42°47'N 74°34'E, 27.VI.2000, leg. Zonstein.

R u s s i a : 1♂, Agalik Zoravsan. chrebet, 20.V.1990, leg. Strejcek.

T a j i k i s t a n : 1♂, Dusambe, 40 km vych Javros, 24.VI.1981, leg. Kocourek; 1♂, Pandzikont, VI.1982, leg. Padr.

T u r k e y : 5♀♀, 10♂♂, Burdur, 28 km SSE Burdur, 37°40'N 30°28'E, 1350m, 8.VII.2006, leg. M.

& J. Halada; 5♀♀, 1♂, SE Elazig, Hazar Gölü, 29.VI.2000, leg. M. Halada; 2♀♀, 1♂, 15 km W Refahye W Erzican, 1600m, 7.VII.2000, leg. M. Halada; 6♀♀, 3♂♂, 20 km SE Horasan Delibaba, 3.VII.1997, leg. Ma. Halada; 4♀♀, Isparta, 8 km N Isparta, 37°52'N 30°40'E, 1020m, 9.VII.2006, leg. M. Halada; 1♀, 1♂, Manisia, 30 km SEE Salihli, 38°22'N 28°25'E, 430m, 29.VI.2006, leg. J. Halada; 1♀, Manisia, 40 km NW Salihli, 38°40'N 27°45'E, 150m, 26.VI.2006, leg. J. Halada; 1♀, 5♂♂, 20 km N Mardin, 21.VI.1997, leg. Ma. Halada; 1♀, Adiyaman Kuyucak, 8.VI.1996, leg. Snizek; 1♀, 15 km W Refahye, W Erzican, 1600m, 7.VII.2000, leg. M. Halada; 1♀, 1♂, Nemrut Dagi Karadut, 2.VII.1993, leg. Deneš; 1♀, N Akseki, 19.VI.1998, leg. Ma. Halada; 1♀, Antalya, Beldibi p. Kemer, 1.-15.VII.1998, Bey Dagl., leg. Bulirsch; 1♂, Denizli, 35 km SEE Denizli, 970m, 37°37'N 29°17'E, 5.VII.2006, leg. M. Halada; 1♂, Acigöl, Cardak env., 7.VII.1993, leg. Deneš; 1♂, 40 km E Mut Cornelek, 18.VI.1997, leg. Ma. Halada; 1♂, 10 km N Gercus, 5.VI.1998, leg. Ma. Halada; 1♂, Hop Cecidi Mardin, 6.VI.1998, leg. Ma. Halada; 1♂, Europ. Türkei, Vil. Kirklareli W Eriklice am Fluss Teke Deresi, 41°45'00''N 27°07'51''E (GPS), 130m, 18.VI.2001, leg. H. & R. Rausch; 1♂, Sile Konya, 29.VI.2000, leg. Snizek.

U z b e k i s t a n : 1♀, Tashkent-Aktas, 3.VII.1991, leg. Kletzcka; 1♂, Kara Tepe, Samarkand, 1.VI.1959, leg. Pospisil.

Genus *P r i o n y x* VANDER LINDEN 1827 806♀♀, 1416♂♂

Prionyx bifoveolatus (TASCHENBERG 1869) 49♀♀, 98♂♂ (compared with ♀ *striatulus* (syn.) det. Kohl and Menke, ♂ det. Kohl, NHMW)

C h i l e : 6♀♀, 16♂♂, reg. VIII, 40 km E Curacautin, 38°33.6'S 71°39.7'W, 860m, 14.II.2005, leg. M. Halada; 15♀♀, 43♂♂, reg. IX, 40 km ES Curacautin, 4.II.2004, leg. Ma. Halada; 11♀♀, 5♂♂, reg. X, 40 km E Entre Lagos, 40°38.6'S 72°15.4'W, 200m, 12.II.2005, leg. M. Halada; 3♀♀, 1♂, reg. VII, 20 km NE El Carmen, riv. Diguillin, 18.I.2004, leg. M. Halada; 4♀♀, 3♂♂, reg. VIII, E Curacautin 2 Rio Blanco, 15.II.2005, leg. Snizek; 3♀♀, 6♂♂, reg. IX, Curacautin, Term. de Rioblanco, 3.II.2004, leg. Snizek; 2♀♀, 5♂♂, reg. VIII, N Los Angeles, 37°42.3'S 71°26.9'W, 22.I.2005, leg. M. Halada; 1♀, 1♂, reg. VII, 50 km E Talca Las Garzas, 15.I.2004, leg. M. Halada; 1♀, reg. X, 40 km NW Osorno, 31.I.2004, leg. M. Halada; 1♀, reg. X, 30 km E Lago Ranco, 1.II.2004, leg. M. Halada; 1♀, reg. X, Entra Lagos, W Anticura, 12.II.?, leg. Snizek; 1♀, 1♂, reg. IX, Curacautin Malalcahuello env. 7.II.2004, leg. Snizek; 10♂♂, reg. VIII, Panguipulli, 21.I.2004, leg. M. Halada; 1♂, reg. VIII, E El Carmen, 18.I.2004, leg. Snizek; 1♂, reg. VIII, Curacautin env., 21.I.2005, leg. M. Halada; 1♂, reg. IX, Freire, Temuco, 22.I.2004, leg. M. Halada; 1♂♂, reg X, 80 km E Puerto Varas Ratun, 30.I.2004, leg. Ma. Halada; 1♂, reg. X, E Lago Ranco, 2.II.2004, leg. Snizek; 1♂, Yumbel Rere, 2.XII.2003, leg. Snizek.

Prionyx chilensis (SPINOLA 1851) 62♀♀, 95♂♂

A r g e n t i n a : 1♀, Prov. Misiones, Schagooskos.

C h i l e : 6♀♀, 12♂♂, reg. IX, 40 km ES Curacautin, 4.II.2004, leg. Ma. Halada; 16♀♀, 19 ♂♂, reg. VIII, 40 km E Curacautin, 38°33.6'S 71°39.7'W, 860m, 14.II.2005, leg. M. Halada; 10♀♀, reg. VII, E Curacautin 2 Rio Blanco, 15.II.2005, leg. Snizek; 2♀♀, 2♂♂, reg. VIII, N Los Angeles, 37°42.3'S 71°26.9'W, 22.I.2005, leg. M. Halada; 1♀, 10♂♂, reg. VIII, N Lonquimay, 38°21.9'S 71°16.8'W, 22.I.2005, leg. M. Halada; 7♀♀, 8♂♂, reg. VIII, E El Carmen, 13.I.2004, leg. Snizek; 2♀♀, 4♂♂, reg. VIII, 30 km W Angol Nahuelbuta, 19.I.2004, leg. M. Halada; 4♀♀, 9♂♂, reg. VIII, 20 km NE El Carmen, riv. Digiullin, 18.I.2004, leg. M. Halada; 2♀♀, 9♂♂, reg. VIII, 35 km E El Carmen, Los Castanos, 17.I.2004, leg. M. Halada; 2♀♀, reg. IX, Teodoro Schmidt r. Toltén, 3.II.2004, leg. M. Halada; 2♀♀, 2♂♂, reg. IX, Curacautin, Term. de Rioblanco, 3.II.2004, leg. Snizek; 1♀, 1♂, reg. VIII, E Elcarmen, 13.I.2004, leg. Snizek; 1♀, 3♂♂, reg. VIII, Curacautin env., 21.I.2005, leg. M. Halada; 1♀, reg. VIII, N Lonquimay, 38°21.9'S 71°16.8'W, 22.I.2005, leg. M. Halada; 1♀, reg. VII, Talca, Lago Calbun Las Garzas, 26.XI.2003, leg. Snizek; 1♀, 4♂♂, reg. IX, Curacautin Malacahuello env., 7.II.2004, leg. Snizek; 1♀, reg. IX, 27 km E Curacautin, 7.II.2004, leg. M. Halada; 1♀, 1♂, 70 km E Chilan, 9.II.2004, leg. M. Halada; 4♂♂, reg. IX, SW Quirihue, 8.II.2004, leg. M. Halada; 1♂, reg. IX, 10 km W

Lonquimay, 6.II.2004, leg. M. Halada; 1♂, reg. X, 80 km E Puerto Varas Ratun, 30.I.2004, leg. Ma. Halada; 1♂, reg. IX, 40 km E Cunco, 23.I.2004, leg. M. Halada; 1♂, reg. VII, 50 km E Talca Las Garzas, 15.I.2004, leg. M. Halada; 1♂, reg. X, 40 km W La Union, 25.I.2004, leg. M. Halada; 1♂, reg. V, E Los Andes, 11.II.2004, leg. M. Halada; 1♂, Yumbel Rere, 2.XII.2003, leg. Snizek.

***Prionyx crudelis* (F. SMITH 1856)** 1♂ (compared with ♂ *P. aegyptius* (syn.) det. Kohl, NHMW)

T a n z a n i a : 1♂, Dodoma pr. 35 km N Dodoma, 1100m, 05°54'S 35°45'E, 14.XII.2006, leg. J. Halada.

***Prionyx fervens* (LINNAEUS 1758)** 2♀♀ (compared with ♀ *P. johannis* (syn.) det. Kohl, NHMW)

A r g e n t i n a : 1♀, Prov. La Rioja, Aufsammlungen der Insektenjäger der Firma F.H. Walz, Buenos Aires.

M e x i c o : 1♀, Hidalgo, Metztitlan, 70 km of Pachuca, 1500m, 20.-23.V.1997, leg. Jellinek.

***Prionyx funebris* (BERLAND 1926)** 3♂♂

K e n y a : 1♂, E Mwingi, 14.V.2007, leg. M. Halada.

N a m i b i a : 1♂, 90 km NE Grootfontein, 16.I.1993, leg. J. Gusenleitner.

T a n z a n i a : 1♂, Dodoma pr., 120 km E Dodoma, 1130m, 06°06'S 36°32'E, 13.XII.2006, leg. J. Halada.

***Prionyx globosus* (F. SMITH 1856)** 3♀♀, 1♂ (compared with ♀♂ det. Kohl, NHMW)

A u s t r a l i a : 3♀♀, 1♂, Coopers Creek Expedition, 19.IX.1949, leg. Paramonov.

***Prionyx indus* (LINNAEUS 1758)** 1♀ 1♂, (compared with ♀♂ *P. englebegi* (syn.) det. Kohl, NHMW)

N o t e : In the key of ARNOLD 1928: 342 to the females there is a mistake: 11 (12) running to *P. tyrannum* SMITH (which is a synonym if *P. indus*) the second line reads as follows: "Clypeus not excised in the middle". This is wrong as pointed out in the text and fig. 7 at p. 357. There ARNOLD writes: " The anterior margin of Clypeus is moderately convex and with a small excision in the middle".

R S A : 1♂, N. Cape Orange riv., Vioolsdrif, 19.X.1999, leg. M. Halada.

Z i m b a b w e -c: 1♀, Ngezi Rec. Park Kwekwe, 1.XII.1998, leg. J. Halada.

***Prionyx kirbii* (VANDER LINDEN 1827)** 314♀♀, 406♂♂

In many specimens from Africa petiolus, legs and antenne are partly red.

B e n i n : 1♀, Cove, Zou riv., 16.IV.2000, leg. J. Halada; 2♀♀, 3♂♂, Zangnanado riv. Ouene, 15.IV.2000, leg. J. Halada.

B u l g a r i a : 2♀♀, Nessebar, 1.-14.VIII.1982, leg. Padr; 3♀♀, Vlas, 10.IX.1997, leg. Mucka; 2♀♀, 1♂, Sofia- 30 km W, 12.VIII.1993, leg. M. Halada; 1♀♀, Sandanski, 14.VII.1993, leg. M. Halada; 1♀, 1♂, Melnik, 13.VIII.1993, leg. M. Halada; 1♀, Plovdiv, 24.VI.1984, leg. J. Halada; 1♀, 1♂, Primorsko, 26.VII.1979, leg. Hoffer; 1♀, Melnik, 24.V.1983, leg. Karas; 5♀♀, 5♂♂, Slncev Brjag, 1968-1970, leg. Kocourek; 1♀, Sandanski, 1.-8.VI.1967, leg. Kocourek; 1♀, 2♂♂, Kresna, 9.VII.1990, leg. Tkalců; 3♂♂, Sandanski, VI.1969, leg. Kocourek; 1♂, Sandanski-Mesto, 25.VII.1966, leg. Kocourek; 1♂, Melnik, 32.-26.V.1983, leg. J. Halada; 1♂, Stare Kresna, 20.VI.1987, leg. J. Halada; 1♂, Primorsko, 30.VI.1998, leg. J. Halada; 1♂, Harmandli, 19.VI.1984, leg. J. Halada; 1♂, Probite kamani, 6.VII.1979, leg. Tkalců; 1♂, Rodopi Hrabrino,

20.VIII.1996, leg. Zaykov; 1♂, Trakia, Voivodovo, 18.V.1996, leg. Zaykov; 1♂, Slncev Brjag, 28.VI.-14.VII.1971, leg. Padr.

C r o a t i a : 11♀♀, 2♂♂, Krk, Baska, 1971-1976, leg. Heinrich & Parré; 2♀♀, Krk, Baska, 7.-20.VII.1984, leg. Tiefenthaler; 2♀♀, Istria, Laborika, 20.VII.2002, leg. Ma. Halada; 1♀, Zadar-Suke sany, 30.VII.1967, leg. Padr; 1♀, Cres, Gers-Ulcinj, 15.-20.VII.1967, leg. Padr; 3♀♀, 3♂♂, Przno, VII.1978, leg. Niedl; 4♀♀, 2♂♂, unreadable; 1♂, Istria, SW Vodnjan, 18.VII.2002, leg. Ma. Halada.

E t h i o p i a : 3♀♀, 1♂, Weilega pr., 70 km S Nekemte, 1260m, 5.IV.2007, leg. J. Halada; 1♀, Ilubabor pr., 15 km SW Bedele, 2000m, 5.IV.2007, leg. J. Halada; 1♀, Sidamo pr., near Bitata, 1480m, 27.IV.2007, leg. J. Halada; 1♀, Sidamo pr., 15 km S Nehele, 890m, 25.IV.2007, leg. J. Halada; 1♀, Sidamo pr., 40 km W Sodo, 12.IV.2007, 1130m, leg. J. Halada.

G r e e c e : 3♀♀, 1♂, Preveza env., 25.VI.1997, leg. Deneš sen.; 3♀♀, Klnetra env., 3.VII.1997, leg. Deneš sen.; 1♀, 40 km S Igoumenitsa, 16.V.2005, leg. J. Halada; 2♀♀, Pelopon., 20 km E Sparta Ag. Anagiri, 5.VII.1996, leg. Ma. Halada; 1♀, 2♂♂, Pelopon., 20 km N Pilos, Marathopoli, 8.VII.1996, leg. Ma. Halada; 3♀♀, Karpathos, Amopi 4.+12.VI.2004, leg. Tkalců; 1♀, Makedonie, Serres, 10.IX.1997, leg. J. Halada; 1♀, 1♂, Chalkidike, Kasandra env., 5.-9.IX.1997, leg. J. Halada; 1♀, 1♂, Chalkidiki, Sithonia Sarti, 27.VII.-11.VIII.1986, leg. Tiefenthaler; 1♂, Pelopon., 40 km S Argos, 4.VII.1996, leg. Ma. Halada; 1♂, Epeiros, 20 km N Preveza, 29.VIII.2997, leg. J. Halada; 1♂, Epeiros, Igoumenitsa, 27.VIII.1997, leg. J. Halada; 1♂, Kreta, Matala, 4.-16.V.1997, leg. Hradsky; 1♂, Insel Kos, E Mastichari, 36°51'N 27°05'E, 27.-28.V.2003, leg. Tiefenthaler.

H u n g a r y : 1♀, 2♂♂, 50 km SE Budapest, Örkeny, 5.-9.VIII.2004, leg. Ma. Halada.

I t a l y : 1♀, 1♂, Sardegna E Lanusei env., 29.VI.2000, leg. J. Halada; 1♀,♂♂, Sardegna N Nucro env., 25.-26.VI.2000, leg. J. Halada; 1♀, Calabria, Mt. Crocco, 30.VII.1999, leg. J. Halada; 1♀, Toscana Isl. Orbetello, 6.VIII.1999, leg. J. Halada; 1♀, Molise, 10 km S Termoli, 24.VIII.1997, leg. J. Halada; 1♂, sardinia-NE, Obia env., 4.VII.2000, leg. J. Halada.

J o r d a n : 1♂, Vada Rum env., 4.-5.V.1996, leg. Mi. Halada.

K a z a k h s t a n : 3♀♀ 1♂, Lepsi, 46.4°N 78.8°E, 19.-20.VI.1995, eg. J. Halada & Mucka; 1♀, lake Alakol Kotuma, 22.VI.1995, leg. Mucka; 4♀♀, 6♂♂, Kaptzagai, 100 km N Alma-Ata, 18.VI.1995, leg. J. Halada; 3♂♂, Lepsi 6 km SE, 18.VI.1992, leg. M. Halada; 2♂♂, Lepsi 6 km SE, 8.VI.1992, leg. Jirousek; 4♂♂, Matai-desert, 46°N 78.6°E, 23.-25.VI.1995, leg. Mucka; 4♂♂, env. Aralsk city, 12.VI.2000, leg. Pag; 1♂, sand desert, 4 km N Bekanas, 12.VI.2000, leg. Makogonova; 1♂, Kosapan (Djambul) Moyunkum desert, 18.-20.VII.1991, leg. Becvar.

K e n y a : 8♀♀, 4♂♂, Voi (Tsavo), 8.XI.-2.XII.1996, leg. Mi. Halada; 2♀♀, 3♂♂, Voi (Tsavo), 23.III.-4.IV.1997, leg. Ma. Halada; 4♀♀, 19♂♂, Taita Hills, Wundanyi, 18.-22.III.1997, leg. Ma. Halada; 2♀♀, 1♂, E Mwingi, 14.V.2007, leg. M. Halada; 2 ♀♀, 2♂♂, S Mackinnon Road, 13.IV.2007, leg. M. Halada; 1♀, 1♂, Mwingi, Kangoude vadi, 18.IV.2007, leg. M. Halada; 1♀, Makindu, 16.IV.2007, leg. M. Halada; 2♀♀, Mathews Range, 01°20'N 37°25'E, 2000m, 29.-30.VII.1993, leg. Leonhardsberger; 4♂♂, Voi (Tsavo) env., 8.-18.XI.1996, leg. Mi. Halada; 1♂, Voi (Tsavo) env., 11.-14.IV.1997, leg. Ma. Halada; 7♂♂, Taita Hills Wundanyi, 5.-10.IV.1997, leg. Ma. Halada; 2♂♂, Garsen Witu, 8.IV.2007, leg. M. Halada; 1♂, E Taveta, 7.IV.2007, leg. M. Halada; 1♂, Vatta Athi riv., 17.IV.2007, leg. M. Halada; 1♂, Mwingi env., 7.IV.2007, leg. M. Halada; 1♂, Voi, 10.XII.1999, leg. Snizek.

K y r g y z s t a n : 1♀, Ferghan Mt. R., Alash-Too Mts, Alash forest, VIII.2000, leg. Gurko; 8♀♀, 3♂♂, Tshu Valley Orta-Tokoj, 21.VII.1997, leg. Gurko; 1♂, Dzhumgol-Too, E Seok riv., 1900m, VII.2000, leg. Gurko.

M a l a v i : 1♂, 85 km SE Lilongwe Dedza, 17.-19.XII.2001, leg. J. Halada; 1♂, 80 km E Liongwe Selima env. 3.-4.I.2002, leg. J. Halada.

M o r o c c o : 1♀, 1♂, 10 km E Youssoufia, 11.V.1995, leg. Ma. Halada; 1♂, Ifrane, 1.-2.VI.1995, leg. Mi. Halada; 1♂, 50 km W Meknes, 19.V.1997, leg. J. Halada; 1♂, Oued Massa Tiznit, 8.V.2003, leg. M. Halada; 1♂, Lot Journu env., nr. Abjelil, 6.V.1997, leg. Prudek.

M o z a m b i q u e : 1♀, Manica pr., 45 km NW Chimoio, 12.-20.XII.2003, leg. J. Halada.

N a m i b i a : 1♀, 3♂♂, 40 km NW Tsumeb, 26.I.1993, leg. J. Gusenleitner; 1♀, 2♂♂, 15 km E

Karibib, 13.I.1993, leg. Gusenleitner; 1♀, 15 km E Swakopmund, 8.II.1993, leg. J. Gusenleitner; 1♀, 1♂, 15 km E Swakopmund, 4.II.1993, leg. J. Gusenleitner; 1♂, 40 km E Rundu, 21.I.1993, leg. J. Gusenleitner; 1♂, Karibib, 7.II.1993, leg. J. Gusenleitner; 2♂♂, 50 km NE Otjiwarongo, 27.I.1993, leg. J. Gusenleitner; 1♂, 60 km SW Otawi, 14.I.1993, leg. J. Gusenleitner; 1♂, Grootfontein, Tiegerschlucht NE Kombat, 19°27'18''S 17°37'53''E GPS, 1600-1700m, 10.II.1994, leg. H. & R. Rausch.

P o r t u g a l : 2♂♂, (Algarve), Martinhal, 1 km NE Sagres, 15.V.1995, leg. J. Gusenleitner.

R o m a n i a : 1♂, Restia, 2.VII.1999, leg. Snizek.

R . S . A .: 30♀♀, 64♂♂, Maputoland, SW Emanguzi, 29.I.2003, leg. Snizek; 2♀♀, 1♂, Kwaza Zulu Natal N, Tembe Elephant Park, 8.XII.2002, leg. Ma. Halada; 56♀♀, 64♂♂, N. Cape, S-Kalahari des., Van Zylsrus, 15.I.2001, leg. Snizek; 3♀♀, Kwaza Zulu Natal, 20 km S Newcastle, 28.XI.2002, leg. Ma. Halada; 2♀♀, Kwaza Zulu Natal N Newcastle Ingogo, 28.XI.2002, leg. Ma. Halada; 6♀♀, 1♂, Eastern Cape, 10 km SE Alexandria, Nat. Res., 28.-31.I.2000, leg. J. Halada; 4♀♀, West Cape, 50 km N Cape Town, 21.XI.2002, leg. Ma. Halada; 2♀♀, 1♂, Mpumalango Waterval-Boven, Elans riv., 18.I.2000, leg. J. Halada; 3♀♀, 1♂, West Cape, Klein Karoo Barrydale, 16.VII.2002, leg. Ma. Halada; 2♀♀, 1♂, Western Cape, 60 km N Cape Town, 9.XI.1999, leg. M. Halada; 1♀, 8♂♂, Maputoland Tembe Elephant Park env. (Jozini), 22.I.2003, leg. Krivan; 1♀, 4♂♂, East Cape Graaf-Reinet-Nieu-Bethesa, 22.I.2001, leg. Snizek; 1♀, West Cape Klein Karoo, Langberg Grot riv., 15.XII.2002, leg. Ma. Halada; 2♂♂, North West prov. Klerksdorf, 11.I.2001, leg. Snizek; 1♂, W Cape, Moseel Bay route Herbertsdala-Langberg, 19.I.2001, leg. Snizek; 1♂, North West, 20 km W Bothaville Klerkadorp Vaal Riv., 31.I.2001, leg. Snizek; 1♂, O.F.S. 30 km N Colesberg Orange riv., 25.XI.2002, leg. M. Halada; 1♂, Eastern Cape, 7 km S Cradock, 25 I.2000, leg. J. Halada; 1♂, Mpumalanga, 20 km NE Barbeton, 20.-30.XI.2003, leg. J. Halada.

R u s s i a : 1♂, Rostov reg. Krymskij Ust-Dinetzkij distr., VI.2006, leg. Azanov.

S e n e g a l : 1♂, 1♀, Nikolo Koba NP, 13°02'13''N 13°18'48''W, 15.VII.2004, leg. Ma. Halada; 1♀, 20 km W Koungheul, 20.VI.2004, leg. Kundra.

S l o v a k i a : 1♀, Sturovo, 15.VIII.1965, leg. Kocourek; 1♂, Chotin, 26.VII1993, leg. M. Halada.

S p a i n : 2♀♀, 2♂♂, Andalucia, E-Sierra Nevada, near Alboloduy, 6.-7.V.2003, leg. J. Halada; 1♀, 32♂♂, Murcia, 30 km E Cartagera Mar Minor, 13.V.2003, leg. J. Halada; 2♀♀, Catal. Palamos, VII.1994, leg. Stary; 1♀, Catal. Oropesa, 1.VII.1994, leg. Kadlecova; 1♀, Iberia, Taragona, VII.1965, leg. Weifenbach; 1♂, Valencia, Polopos, 5.V.1997, leg. J. Halada; 1♂♂, Costa Brava, Platja de Aro, 8.-14.IX.1991, leg. Deneš.

S y r i a : 2♀♀, Faouar (UN-Camp), 950m, 35°53'N 33°13'E, 10.X.2001, leg. Plass.

T a n z a n i a : 5♀♀. Kigoma pr., 30 km NWUvinza, 5°02'S 30°22'E. 1500m, 29.XII.2006, leg. J. Halada; 1♀, Rukwa pr., 30 km NNW Mpanda, 5°54'S 30°56'E, 1300m, 30.XII.2006, leg. Kadlecova; 1♀, Shinyanga pr., 25 km W Kahama, 3°45'S 32°24'E, 1200m, 23.XII.2006, leg. Kadlecova; 1♀, Iringa pr., 100 km NE Iringa, 7°37'S 36°17'E, 660m, 9.I.2007, leg. J. Halada; 1♀, Mbeya pr., 70 km NW Tunduma, 8°58'S 32°25'E, 1500m, 2.I.2007, leg. J. Halada; 2♂♂, Iringa pr., 10 km N Mikumi, 07°20'S 36°57'E, 650m, 10.I.2007, leg. J. Halada; 1♂, Morogoro pr., 60 km N Morogoro, 06°25'S 37°30'E, 12.XII.2006, leg. Kadlecova.

T u n i s i a : 2♀♀, Kebili, 3.IV.2001, leg. M. Halada; 2♂♂, M'saken, 20.-21.IV.1998, leg. Deneš sen.; 1♂, 10 SE Matmata, 33°30'N 10°04'W, 8.V.1992, leg. J. Gusenleitner; 1♂, Gafsa, 5.IV.2001, leg. M. Halada.

T u r k e y : 2♀♀, Manisia, 35 km SEE Salihli, 38°20'N 28°24'E, 900m, 30.VI.2006, leg. M. Halada; 4♀♀, E Antalya, 16.VI.1997, leg. Ma. Halada; 3♀♀, 2♂♂, (Antalya), Konakli W Alanya, 18.-30.VII.1996, leg. Bulirsch; 1♀, 1♂, Eksiler (Silifke), 18.VI.1998, leg. Ma. Halada; 1♀, Taskesigi, 10 km E Antalya, 1998, leg. Ma. Halada; 1♀, Izmir, 10 km NE Odemis, 38°20'N 28°04'E, 1200m, 3.VI.2006, leg. M. Halada; 1♀, 4♂♂, Canakkale, 6 km N Ezine, 39°51'N 26°19'E, 27.VI.2006, leg. J. Halada; 1♀, 2♂♂, Sakarya, 25 km S Adapazari, 13.VII.2006, leg. Ma. Halada; 3♂♂, 20 km W Van, 5.VII.1997, leg. Ma. Halada; 1♂, Denizli, 35 km SSE Denizli, 37°35'N 29°17'E, 970m, leg. J. Halada; 1♂, Adapazar (Sakatya), 25 km S Adapazar, 14.VII.2006, leg. J. Halada; 1♂, 30 km Kutahya, 13.VII.2000, leg. M. Halada.

U g a n d a : 1♂, SW Hioma Rwera env., 30.XI.2001, leg. Snizek.

Y e m e n : 9♀♀, 4♂♂, Sana, University Campus, 2300m, 3.XI.2005, leg. J. Halada; 4♀♀, 20 km S Taizz, 1200m, 13°30'N 43°57'E, 24.X.2005, leg. J. Halada; 1♀, Wadi Maytan, 12 km SE Ibb, 1600m, 13°53'N 44°18'E, 1600m, 27.X.2005, leg. J. Halada.

Z a m b i a : 2♀♀60 km W Solwezi, 1.-8.I.2003. leg. J. Halada; 2♀♀, 150 km W Solwezi, Ntambu 12°18'S 25°10'E, 1350m, 11.XI.2005, leg. M. Halada; 2♀♀, 70 km NE Kapin Mposhi, 13°41'S 29°18'E, 1250m, 21.XI.2006, leg. M. Halada; 1♀, 80 km SSW Solwezi, 12°45'S 26°02'E, 1400m, 13.XI.2006, leg. M. Halada; 1♀, 70 km S Mpika, 12°18'S 31°07'E, 1500m, leg. M. Halada; 1♀, 100-140 km NE Kapin Mposti ATP lodge env., 15.XII.2004, leg. Snizek; 1♀, 120 km S Lusaka, 30 XI.2002, leg. J. Halada; 1♀, 45 km SE Kitwe, 12.-15.I.2003, leg. J. Halada; 2♀♀, Kaoma env. 14°47'S 24°50'E, 13.-15.XI.2006, leg. Kubik; 1♀, 100 km NE Livingstone, 26.XII.2002, leg. J. Halada; 1♀, 50 km W Chingola, 9.-11.XII.2002, leg. J. Halada; 1♂, 10 km SW Choma, 18.XII.2002, leg. J. Halada; 1♀, 4♂♂, Mkushi env., 16.-18.XII.2004, leg. Snizek; 1♀, 100 km N Kapiri Mposhi, ATS Lounge, 23.XI.2004, leg. Snizek.

Z i m b a b w e : 2♀♀, 3♂♂, Harare env., 20.I.1998, leg. Ma. Halada; 4♀♀, 30 km W Harare, 29.XI.1998, leg. J. Halada; 1♀, 2♂♂, Ngezi Rec. Park, Kwekwe, 1.XII.1998, leg. J. Halada; 1♀, 50 km NW Chipinge, 25.I.1998, leg. Ma. Halada; 2♀♀, 1♂, Chimanimani N.P., 14.XII.1998, leg. M.& J. Halada; 1♀, 1♂, 25 km NE Samva Nyagul r. (Bindura), 15.XII.1998, leg. J. Halada;♂♂, 30 km W Harare, 22.XII.1998, leg. M. Halada; 2♂♂, Mvuma, route Gutu Chatsworth, 16.XII.1998, leg. Snizek; 1♂, 70 km N Chivhu Fatherstone, XII.1998, leg. Snizek; 1♂, Masvingo, 22.I.1998, leg. Ma. Halada; 1♂, Rusape, 9.XII.1992, leg. Adlbauer; 2♂♂, Khami Ruins Bulawayo, 28.I.1998, leg. Ma. Halada; 1♂, 100 km SW Harare Chivhu, 22.I.1998, leg. Ma. Halada.

Prionyx lividocinctus **(A. COSTA 1861)** 36♀♀, 46♂♂ (compared with ♀♂ det. Kohl, NHMW)

B u l g a r i a : 1♂, Melnik, 13.VIII.1993, leg. M. Halada.

G r e e c e : 1♀, Kreta, Chania, NE Ag. Nektarios, E Nomikiana, 35°12'N 24°14'E, 100m, 15.VI.1993, leg. H. & R. Rausch; 2♀♀, Karpathos Amopi, 3.VI.2004, leg. Tkalců; 1♀, Karpathos Amopi, 14.VI.2004, leg. Tkalců; 1♀, Kreta sept-occ., Kolymbari, 21.VI.2002, leg. Tkalců; 1♀, Samos, Moni Zoodochon Pigis, 10.VI.2000, leg. Zarre; 1♀, Thessalie, 20 km W Larissa, 1.IX.1997, leg. J. Halada; 1♀, 1♂, Pelopon., 20 km N Pilos Marathopoli, 8.VII.1996, leg. Ma. Halada; 3♂♂, Kreta sept-occ., Rapaniana, 19.VI.2002, leg. Tkalců; 1♂, Mittel-Kreta, Limin Hersonisson, 13.-16.VI.1993, leg. Tiefenthaler; 1♂, Kreta occ., Strovias, ca. 500m, 29.VI.2002, leg. Tkalců; 1♀, 3♂♂, Rhodos, Faliraki env., 14.-23.VII.2003, leg. Nemec; 1♀, 1♂, Pelopon. 20 km W Kalamata Petalidi, 6.VII.1996, leg. Ma. Halada; 1♂, Kreta occ., Lakki/Omalos, ca. 600m, 23.VI.2002, leg. Tkalců.

I t a l y : 1♀, Sardegna N, Nugro env., 25.-26.VI.2000, leg. J. Halada; 2♂♂, Basilicata, 25 km W Lauria, 4.-5.VIII.1999, leg. J. Halada; 1♂, Calabria, 40 km S Cosenza Atilla, 29.VII.1999, leg. J. Halada.

K a z a k h s t a n : 1♀, lake Alakol, Kotuma, 22.VI.1995, leg. Mucka; 1♂, sand dessert, 4 km N Bakanas Lower Ili riv. valley, 12.VI.2000, leg. Zonstein; 1♀, Talas Mt. R., 3 km W Dzhabagly, 42°26'N 69°58'E, 5.VIII.2000, leg. Mokogonova.

K y r g y z s t a n : 4♀♀, Kirg. Mts. Tschon-Aryk, 900m, 30.VII.2001, leg. Gurko; 2♀♀, 7 ♂♂, Osh area, 25 km Osh Aravan, VI.2000, leg. Gurko; 1♀, Alai Mts, 2200-2300m, 10.-20.VIII.1999, leg. Gurko; 1♀, Burgandi, 60 km W. Jalabad, 14.VI.1995, leg. Mucka; 1♀, 1♂, Tahskal Mt. R. Shikaftar, VII.2001, leg. Gurko; 1♀, 1♂, Ferghan Mt. R. Toskool-Ata, 29.VII.2000, leg. Gurko; 1♀, 1♂, Kirghizky Mt. R., Ala-Archa riv. Ooru-Say, 1650m, VII.2000, leg. Gurko; 3♂♂, Tchon-Aryk foothills, 2 km S Biskek, 42°47'N 74°34'E, 25.-27.VI.2000, leg. Zonstein; 1♂, Kirghizskij Mts, foothills 2 km S Biskek, 42°47'N 74°34'E, 1050m, 26.IX1998, leg. Zonstein; 1♂, Ferthana valley near Masy, 3.VIII.2001, leg. Gurko; 1♂, Kirghizky Mt.R., Ala-Archa riv. vall., 1650m, 17.VIII.2000, leg. Gurko.

M o r o c c o : 1♀, 5 km SE Azrou, 31.V.1995, leg. Ma. Halada.

T u r k e y : 2♀♀, 20 km NW Igdir, 29.VI.1997, leg. Ma. Halada; 1♀, 20 km N Mardin, 21.VI.1997, leg. Ma. Halada; 1♀, Vil. Kirklareli, W Erklice am Fluss Teke Deresi, 41°45'00''N 27°07'51''E (GPS), 130m, 18.VII.2001, leg. H. & R. Rausch; 1♂, Taskesigi, 100 km E Antalya, 1998, leg. Ma.

Halada; 1♂, 15 km Refahye, W Erzican, 1600m, 7.VII.2000, leg. M. Halada; 1♂, SE Elazig Hazar Gölü, 29.VI.2000, leg. M. Halada; 1♂, Manisia, 15 km SEE Salihli, 38°26'N 28°19'E, 170m, 2.VII.2006, leg. J. Halada; 2♂♂, Carakkale, Gelibou env., 18.VI.1998, leg. J. Halada; 1♀, 15 km S Stirt, 500m, 13.VIII.1991, leg. Halada.

T u r k m e n i s t a n : 5♀♀ 6♂♂, Aschabat 15 km N, 25.-31.V.1993, leg. M. Halada; 1♂, Sandikatzi env., 3.-13.V.1993, leg. J. Halada; 1♂, Aschabat 40 km W Firyuza, 6.VI.1993, leg. M. Halada.

Prionyx neoxenus **(KOHL 1890)** 8♀♀, 48♂♂ (compared with ♀ det. Kohl and type ♂ *P. ommisus* (syn.) det. Kohl, NHMW)

C h i l e : 1♀, 2♂♂, reg. VIII, 40 km E Curacautin, 38°33.6'S 71°39.7'W, 860m, 14.II.2005, leg. M. Halada, (This female without silver pubescense on Clypeus and Frons!); 1♀, reg. VIII, E Curacautin, Rio Blanco, 15.II.2005, leg. Snizek; 1♀, 4♂♂, reg. VIII, 35 km E El Carmen, Los Castanos, 17.I.2004, leg. M. Halada; 1♀, Yumbel, Rere, 2.XII.2003, leg. Snizek; 1♀, 1♂, reg. VII, Talca, Lago Colbun Las Garzas, 26.XI.203, leg. Snizek; 8♂♂, reg. IX, 40 km ES Curacautin, 4.II.2004, leg. Ma. Halada; 8♂♂, reg. VIII, 20 km E El Carmen, riv. Diguillin, 18.I.2004, leg. M. Halada; 6♂♂, reg. VII, 50 km E Talca, Las Garzas, 15.I.2004, leg. M. Halada; 2♂♂, reg. VIII, N Los Angeles, 37°42.3'S 71°26.9'W, 22.I.2005, leg. M. Halada; 3♂♂, reg. VIII, Panguipulli, 21.I.2004, leg. M. Halada; 1♀, 4♂♂, reg. VIII, E El Carmen, 18.I.2004, leg. Snizek; 4♂♂, reg. V, E Los Andes, 11.II.2004, leg. M. Halada; 2♂♂, reg. IX, Curacautin Malalcahuello env., 7.II.2004, leg. Snizek; 1♂, reg. VII, Longavi, El Transito, 22.IX.2003, leg. Snizek; 1♂, reg. V, Cabildo La Vina env., 14.XI.2003, leg. Snizek; 1♂, reg. VII, Talca, W Vilches Alfo, 27.XI.2003, leg. Snizek; 1♂, Chillan, XI.1991, leg. Stary; 2♀♀, reg. X, E Puerto Montt, Lago Chapo, 30.I.2004, leg. Snizek, (The erect setae on Clypeus, Frons and Thorax of these females brownish!).

Prionyx niveatus **(DUFOUR 1854)** 2♀♀, 10♂♂ (compared with ♀♂ det. Kohl, NHMW)

E g y p t : 1♂, Hurghala, 15.VII.1968, leg. Deneš.

J o r d a n : 1♀, Vada Rum, 4.-5.V.1996, leg. Ma. Halada; 2♂♂, Rawayshid, 23.IV.1996, leg. Ma. Halada.

K a z a k h s t a n : 1♀, Usturt plat, Beyneu-Aktan road, V.2000, leg. Miatleuskj; 1♂, env. Aralsk city, 12.VI.2000, leg. Pag.

M o n g o l i a : 1♂, Gobi, 100 km NW Dalanzadgad Bayanzad, 9.VII.2005, J. Halada.

M o r o c c o : 1♂, SE Guelmin, 9.V.2003, leg. M. Halada.

T u n i s i a : 1♂, Tataouine, 11.IV.2001, leg. M. Halada.

T u r k m e n i a : 1♂, Sandikatzi env., 3.-13.V.1993, leg. Deneš; 2♂♂, Nebit Dag, 25 km NW Jebel, 22.V.1993, leg. M. Halada.

Prionyx nudatus **(KOHL 1885)** 47♀♀, 72♂♂

K a z a k h s t a n : 1♀, Kaptzagai, 100 km N Alma-Ata, 18.VI.1995, leg. Mucka; 1♀, 3♂♂, lake Alakol, Koktuma, 22.VI.1995, leg. Mucka & J. Halada; 1♀, Dzambul env., Kara Tou prdsayk Ujuk (1000m), 3.VI.1980, leg. Padr; 1♀, Lepsi, 46.4°N 78.8°E, 19.-20.VI.1995, leg. J. Halada; 1♀, Alma-Ata 30 km zap Aksaj, 16.VII.1981, leg. Kocourek; 2♂♂, Alma-Ata, 25.VI.1992, leg. Deneš; 2♂♂, Alma-Ata, 1.VI.1994, leg. Ma. Halada; 2♂♂, 20 km SE Aksay env., 16.-19.VI.1992, leg. J. Halada; 1♂, River Ili, Aidarli, 14.VI.1992, leg. Deneš; 1♂, sand dessert, 4 km N Bekanas Lower Ili riv. valley, 12.VI.2000, leg. Zonstein.

K y r g y z s t a n : 2♀♀, Kirghizsky Mt.R., Ala Archa riv. Ooru-Say, 1650m, VII.2000, leg. Gurko; 12♀♀, 9♂♂, Tshu Valley, Orta-Tokoj, 21.VII.1997, leg. Gurko; 2♀♀, Ferghan Mt.R., Alash-Too Mts., Alash forest, VIII.2000, leg. Gurko; 1♀, 3♂♂, Kirghizsky Mts, Ala-Archa riv., Kashka-Suu, 1650m, VII.2000, leg. Gurko; 2♀♀, 1♂, Kirg. Mts. Tschon-Aryk, 900m, 30.VII.2001, leg. Gurko; 1♀, Ferghan Mt.R. Toskool-Ata, 29.VII.2000, 1500m, leg. Gurko; 1♀, Kirghisky Mt.R. Alamedin

riv., 1700m, VIII.2000, leg. Gurko; 1♀ 9♂♂, Tchon-Aryk foothills 2 km S Biskek, 42°47'N 74°34'E, 25.-27.VI.2000, leg. Zonstein; 3♀♀, 6♂♂, Frunze, 15 km jiz Con Arik, 8.VII.1981, leg. Kocourek; 1♀, 30 km S Frunse Chon-Arik, 2.-4.VII.1981, leg. Kuban; 8♂♂, Kirg. Mts. Tschon-Aryk, 900m, 30.VII.2001, leg. Gurko; 1♀, 1♂, Ferhgansky Mt.R. Toskool-Ata, Pistacea forest, VIII.2000, leg. Gurko; 1♂, Narynska, Distr. Dzhumgalsky S Kyzyl-Oy, 1750-1800m, Tal des Flusses Kokomeren, 41°56'N 74°09'E, 5.-6.Vii.1996, leg. H. Rausch; 1♀, Kirgyz. Mts., Tschon-Aryk, 900m, VI.1999, leg. Gurko.

M o r o c c o -W: 5 km N Agadir, 18.V.1997, leg. J. Halada.

R u s s i a : 1♀, Rostov reg. Nizhne Kundrinchenskij, 20.VII.2006, leg. Khachikov; 1♀, Rostov reg. Taganrog env., 6.VII.2003, leg. Kasathin; 4♂♂, Rostov reg. Krymskij, Ust-Dinetzkij distr., VI.2006, leg. Arazanov; 1♂, Tuvinskaja-ASSR, 30 km N Palgazya, 21.VI.1994, leg. Kletecka; 1♀, Rosov/Don reg., VII.1996, leg. Martinovka.

T u r k e y : 3♀♀, 1♂, Kizilcahamam N Ankara, 9.VII.2000, leg. M. Halada; 1♀, Muradiye, 3.VII.2000, leg. M. Halada; 1♀, Ahint/Bitlis, 1800m, 17.VIII.1991, leg. M. Halada; 1♀, 20 km NW Igdir, 29.VI.1997, leg. Ma. Halada; 1♀, 11♂♂, 20 km W Van, 5.VII.1997, leg. Ma. Halada; 4♂♂, 50 km S Kars Pasli, 1.VII.1997, leg. Ma. Halada; 1♂, Bitlis Nemrut Dag, 2300m, 15.VIII.1991, leg. M. Halada; 1♂, Burdur, 28 km SEE Burdur, 37°40'N 30°28'E, 1350m, 8.VII.2006, leg. J. Halada; 1♀, Ankara, 26.VIII.1991, leg. ?

U k r a i n e : 1♀, 1♂, Zaporezi, 5.VII.1985, leg. J. & M. Halada; 1♀, jez. Sivas, 11.VII.1985, leg. J. & M. Halada.

***Prionyx parkeri* BOHART & MENKE 1963** 1♀, 3♂♂

M e x i c o : 1♀, 1♂, Hidalgo Metztitlan, 70 km of Pachuca, 1500m, 20.-23.V.1997, leg. Kadlec; 2♂♂, Guerrero, Acahuizotla, 35 km S Chilpancingo, 1500m, 6.-9.VI.1997, leg. Kadlec.

***Prionyx pumilio* (TASCHENBERG 1869)** 158♀♀, 369♂♂ (compared with ♀♂ det. Kohl, NHMW)

C h i l e : 39♀♀, 53♂♂, reg. VIII, 40 km E Curacautin, 38°33.6'S 71°39.7'W, 860 m, 14.II.2005, leg. M. Halada; 41♀♀, 134♂♂, reg. IX, 40 km ES Curacautin, 4.II.2004, leg. Ma. Halada; 7♀♀, 9♂♂, reg. IX, 27 km E Curacautin, 7.II.2004, leg. M. Halada; 16♀♀, 25♂♂, reg. IX, Curacautin Malalcahuello env., 7.II.2004, leg. Snizek; 7♀♀, 7♂♂, reg. VIII, E El Carmen, 18.I.2004, leg. Snizek; 6♀♀, 18♂♂, reg. VIII, N Los Angeles, 37°42.3'S 71°26.9'W, 22.I.2005, leg. M. Halada; 6♀♀, 22 ♂♂, reg. VIII, 35 km E El Carmen, Los Castanos, 17.I.2004, leg. M. Halada; 9♀♀, 39♂♂, reg. VIII, 20 km E Elcarmen, riv. Diguillin, 18.I.2004, leg. M. Halada; 2♀♀, reg. VIII, 30 km N Longuimay Bio Bio riv., 800m, 22.I.2005 leg. Snizek; 3♀♀, 8 ♂♂, reg. IX, SW Quirihue, 8.II.2004, leg. M. Halada; 5♀♀, 1♂, reg. VIII, N Lonquimay, 38°21.9'S 71°16.8'W, 22.I.2005, leg. M. Halada; 4♀♀, 2♂♂, reg. IX, Curacautin Term. de Rioblanco, 3.II.2004, leg. Snizek; 2♀♀, reg. VIII, E Elcarmen, 13.I.2004, leg. Snizek; 2♀♀, 4♂♂, reg. IX, 30 km SE Nueva Toltén, 2.II.2004, leg. Ma. Halada; 1♀, reg. X, 40 km NW La Union, 25.I.2004, leg. M. Halada; 1♀, 1♂, reg. VIII, Panguipulli, 21.I.2004, leg. M. Halada; 1♀, 1♂, reg. VII. SE Freire, 22.I.2004, leg. Snizek; 1♀, 11♂♂, reg. IX, Freire Temuco, 22.I.2004, leg. M. Halada; 1♀♀, 21♂♂, reg. VIII, 30 km W Angol Nahuelbuta, 19.I.2004, leg. M. Halada; 1♀, reg IX, 27 km E Curacautin, 7.II.2004, leg. M. Halada; 1♀, 1♂, reg. VIII, Curacautin env., 21.I.2005, leg. M. Halada; 1♀, reg. IX, 40 km E Cunco, 23.I.2004, leg. M. Halada; 3♂♂, reg. VIII, 50 km E Talca, Las Garzas, 15.I.2004, leg. M. Halada; 2♂♂, reg. VIII, 35 km E El Carmen. 3♂♂, reg. IX, Teodoro Schmidt r. Toltén, 3.II.2004, leg. M. Halada; 1♂, reg. X, 40 km W Osorino, 31.I.2004, leg. M. Halada; 1♂, reg. X, NW Osomo Mission San Chuan, 1.II.2004, leg. Snizek; 1♂, reg VIII, 75 km SE Villarica, 30 km N Neltume, 20.I.2004, leg. M. Halada; 1♂, S Charguenco, Rio Calbuco, 26.II.1989, leg. Peno; 1♂, Victoria Malleco, 21.I.1985, leg. Peno.

***Prionyx saevus* (F. SMITH 1856)** 1♀, 3♂♂ (compared with ♀♂ det. Kohl, NHMW)

A u s t r a l i a : 1♀, 3♂♂, Coopers Creek Expedition, 19.IX.1949, leg. Paramonov.

Prionyx senilis (MORICE 1911) 17♀♀, 42♂♂

This species differs from *P. niveatus* (DUFOUR 1854) in females by dark tarsal spines and rake, in the shape of clypeus (see de BEAUMONT 1968b: 153, fig. 14) and a mesonotum brillant. Males have less pubescence, exposal area of mesonotum is brillant and more clearly punctate. The shape of penisvalves of males of *P. senilis* is slightly different from that of *P. niveatus*.

J o r d a n : 2♀♀, Rawayshid, 23.IV.1996, leg. Ma. Halada.

M o n g o l i a : 10♀♀, 20♂♂, Bayankhongor, 75 km S Bayankhongor, 46°31'N 100°53'E, 1150m, 9.VII.2004, leg. J. Halada; 8♂♂, Bayankhongor, 75 km S Bayankhongor, 45°20'N 100°48.5'E, 1330m, 8.VII.2004, leg. J. Halada; 1♂, Atayn Mts., Gichigniy Nuruu, Bulgan env., 12.VII.2005, leg. J. Halada; 1♂, Gobi, 100 km NW Dalanzadgad Bayanzad, 9.VII.2006, leg. J. Halada; 3♀♀, 12♂♂, Övörkhangay, 159 km SW Arvaykheer, 45°11'N 101°26'E, 1250m, 5.VII.2004, leg. J. Halada & Kadlecova; 2 ♀♀, Övörkhangay, 139 km SW Arvaykheer, 45°17'N 101°41'E, 1430m, 4.VII.2004, leg. Kadlecova.

Prionyx songaricus (EVERSMANN 1849) 15♀♀, 43♂♂ (compared with ♀♂ det. Kohl, NHMW)

K a z a k h s t a n : 1♀, sand desert, 4 km N Bekanas, 12.VI.2000, leg. Makogonova.

S y r i a : 1♀, dist. Damascus, Kansdar env. 15 km (40 km SW Damascus), 8.V.2000, leg. Keutner; 1♀, 5♂♂, NW Aleppo Afrin, 23.VI.2000, leg. M. Halada; 1♂, 30 km S Suwayda Dibbin, 15.-17.V.1996, leg. Ma. Halada.

T u r k m e n i s t a n : 3♀♀, 16♂♂, Sandikatzi env., 3.-13.V1993, leg. M. Halada; 2♀♀, 4 ♂♂, Aschabat 15 km N, 25.-31.V.1993, leg. M. Halada; 3♀♀, 5♂♂, 40 km W Firyuza, 6.VI.1993, leg. M. Halada; 1♂, Tzemerwbit, 12.V.1993, leg. M. Halada; 1♂, Aschabat env., 26.VI.1993, leg. J. Halada.

T u r k e y : 1♀, Kozluk (Baykan), 3.VI.1998, leg. Ma. Halada; 1♀, Manisia, 35 km SEE Salihli, 38°20'N 28°24'E, 900m, 30.VI.2006, leg. J. Halada; 1♀, 20 km N Mardin, 21.VI.1997, leg. Ma. Halada; 1♀, Nemrut Dagi Karacut, 2.VII.1993, leg. Mi. Halada; 2♂♂, Manisia, 15 km SEE Salihli, 170m, 38°26'N 28°19'E, 2.VII.2006, leh. J. & M. Halada; 1♂, Denizli, 10 km NE Denizli, 37°56'N 29°07'E, 290m, 4.VII.2006, leg. J. Halada; 1♂, 15 km E Malatya, 27.VI.2000, leg. M. Halada; 1♂, 15 km S Slirt, 500m, leg. Halada.

U z b e k i s t a n : 2♂♂, 50 km W Pahtakor, 40.3°N 67.4°E, 24.V.1994, leg. J. & Ma. Halada; 1♂♂, Samarkand env., 19-21.V.1994, leg. Ma. Halada; 1♂, 5 km W Ddjizak, 39.9°N 67.5°E, 23.V.1994, leg. J. Halada.

Prionyx stschurowskii (RADOSZKOWSKI 1877) 1♀ (compared with ♀ det. ?, NHMW)

I r a n : 1♀, Morth, 65 km S Tehran, Nalbandan, 1300m, 21.V.2005, leg. Major. The bodylength of this female is only 21 mm!

Prionyx subatratus (R. BOHART 1958) 1♀

U . S . A .: 1♀, Arizona, Cohise Co., S Wilcox, 26.VII.1978, leg. ?

Prionyx subfuscatus (DAHLBOM 1845) 8♀♀, 29♂♂

C r o a t i a : 2♂♂, Ins. Krk, Baska, 8.-30.VI.1973, leg. Heinrich.

G r e e c e : 1♂, Pelopon., 20 km N Pilos Marathopoli, 8.VII.1996, leg. Ma. Halada.

I t a l y : 1♂, Ligurien, Alassio, Panorama-Str., 300m, 5.-7.VII.1996, leg. Tiefenthaler.

K a z a k h s t a n : 2♂♂, Talasskyi Mts., Aksu-Dzhabagly res., 2400m, leg. Gurko; 3♂♂, Albasar city distr. 21.VI.2001, leg. Gurko; 1♂, S Zhalpak Saline, VI.2001, leg. Miatleuski; 1♂, 20 km SE Aksay env., 16.-19.VI.1992, leg. Deneš.

K y r g y z s t a n : 1♂, Tshatkal Mt. R. Shikattar, VII.2001, leg. Gurko; 1♂, sary-Tchelek reserv., 1500m, VIII.1996, leg. Gurko.

M o n g o l i a : 3♀♀, 1♂, Övörkhangay, 137 km NE Arvaykheer, 47°20'N 103°40.5'E, 1250m, 2.VII.2004, leg. J. Halada; 1♀, 2♂♂, Chulnut Gol (riv.), 47°48'N 100°19'E, 1940m, 23.VII.2005, leg. J. Halada; 5♂♂, Mongol Els n.res. dunes, 1320m, 47°24'N 103°39'E, 31.VII.2005, leg. J. Halada; 2♂♂, 70 km NNW Tsetserleg, 25.VII.2005, leg. Kadlekova; 1♂, 90 km NE Tsetserleg, 45°03'N 102°25'E, 1400m, 27.VII.2005, leg. J. Halada.

R u s s i a : 1♀, Tuvinskaja, 10 km NE Erzin, 1.VI.1994, leg. Kletecka; 1♀, Tuvinskaja ASSR, 10 km NE Erzin, 15.VI.1994, leg. Kletecka; 1♀, Rostov reg. Runnyj, V.2003, leg. Gapon; 1♂, E-Siberia, Tuva Uyuksky mg. Sush vill, 900m, 13.VI.2002, leg. Gurko; 1♂, E-Siberia, S-Tuva Tanuole mg. Torgun riv. vall., 1400m, 22.V.2002, leg. Gurko.

T a j i k i s t a n : 1♀, W. Pamir Mts., 30 km N Rushan, 3500m, VII.2000, leg. Gurko.

T u r k m e n i s t a n : 1♂, Aschabat 15 km N, 15.-31.V.1993, leg. M. Halada.

U z b e k i s t a n : 1♂, Papngan, 20 kmNW Kokand, 41.2°N 70.6°E, 12.V.1994, leg. Ma. Halada.

Variation: erect setae on face and thorax white.

R . S . A .: 1♂, N-Cape, S Kalahari dess., Van Zylsrus, 15.I.2001, leg. Snizek.

***Prionyx thomae* (FABRICIUS 1775)** 9♀♀, 12♂♂ (compared with ♀ det. Kohl, NHMW)

E c u a d o r : 8♀♀, 5♂♂, Napo prov., 70 km SW Coca Loreto, 300m, 4.-10.III.2002, leg. Ma. Halada;

G u a n e   F r e n c h : 1♀, 2♂♂, Kourou, Guatemala env., 15.XII.2006, leg. Snizek; 1♂, W Le Larivot, Cayenne, 10.VIII.2006, leg. Snizek; 1♂, Cayenne, W Le Larivot, 8 XII.2006, leg. Snizek; 1♂, Régina env., 25.-30.I.2006, leg. Houska.

M e x i c o : 2♀♀, Guerrero, Acahuizotla, 35 km S Chilpancingo, 1500m, 6.-9.VI.1997, leg. Kadlec.

***Prionyx trichargyrus* (SPINOLA 1839)** 2♀♀, 2♂♂ (compared with type ♀ *P. leucosomus* (syn.) det. Kohl, NHMW)

O m a n : 2♂♂, J. Muwarrhan, 24.VI.2000, leg. Gillet.

T u n i s i a : 1♀, oas Douz env., 31.V.-1.VI.1994, leg. Becvar.

Y e m e n : 1♀, Lawdat NE Aden. 1140m, 13°53'N 45°48'E, 28.X.2005, leg. J. Halada.

***Prionyx viduatus* (CHRIST 1791)** 69♀♀, 132♂♂ (compared with ♀♂ det. Kohl, NHMW)

A l g e r i a : 1♀, Aures: Ain Zaatout, 1.-4.VI.1971, leg. Hoffer & Horak.

B o t s w a n a - S : Kasane env., 29.XII.-7.I.1997, leg. Snizek.

G r e e c e : 3♀♀, Karpathos Amopi, 3.-8.VI.2004, leg. Tkalců; 1♀, Pelopon., 40 km S Argos P. Astros, 4.VII.1996, leg. Ma. Halada; 1♀, Kreta sept-occ., Rapanina, 1.VII.2002, leg. Tkalců; 1♀, Eles, 16.VIII.1986, leg. Link; 1♂, Kreta sept-occ., Rapanina, 20.VI.2002, leg. Tkalců; 1♂, Kreta, Matala, 16.V.2001, leg. Tkalců; 1♂, Kreta sept-occ., Rapanina, 27.VI.2002, leg. Tkalců; 1♂, Pelopon., 20 km N Pilos Marathopoli, 8.VII.1996, leg. Ma. Halada.

J o r d a n : 2♀♀, Vada Rum, 4.-5.V.1996, leg. Ma. Halada; 1♂, Dead sea env., 16.IV.1996, leg. Mi. Halada.

K a z a k h s t a n : 2♀♀, 1♂, env. Aralsk city, 12.VI.2000, leg. Pag; 1♀, Darbaza, 40 km N Tachkent, 30.V.1994, leg. J. Halada; 1♂, Kapichagay, 7.-8.VII.1991, leg. Becvar; 1♂, River Ili Aidarli, 14.VI.1992, leg. J. Halada; 2♂♂, Dzambul env. (115 km), Akkel (polopoust), 1.VI.1980, leg. Padr; 1♂, Dzambul env., Kara Tau, prdsayk Ujuk (1000m), 3.VI.1980, leg. Padr; 2♂♂, south of Zhalpark Saline, VI.2001, leg. Miatleuski; 1♂, lake Alakoi Kotema, 22.VI.1995, leg. J. Halada.

K e n y a : 1♀, Mwingi env., 7.IV.2007, leg. M. Halada; 1♀, 8♂♂, Voi env. (Tsavo), 8.-18.XI.1996, leg. Mi. Halada; 2♂♂, Voi (Tsavo) env., 22.XI.-2.XII.1996, leg. Mi. Halada.

K y r g y z s t a n : 1♀, Kirghizsky Mts., Ala-Archa riv. Kaskha-Suu, 1650m, VII.2000, leg. Gurko; 1♂, Alaj Mt. Taskunypa, VII.1998, leg. Gurko; 1♂, Tshu-Valley, Orta-Tokoj, 21.VII.1997, leg. Gurko.

M a l a w i (Africa): 1♂, 50 km SW Blantrye Chikwawa, 22.XII.2001, leg. J. Halada.

M a l a y s i a : 1♂, Pahang Banjaran Bnom Mts., 20 km S Kampong Ulu Dong, 1500-1900m, 17.-23.IV.1997, leg. Cechovsky.

M o n g o l i a : 15♀♀, 3♂♂, Bayankhongor, 75 km S Bayankhongor, 46°31'N 100°53'E, 1150m, 9.VII.2004, leg. J. Halada; 3♀♀, 4♂♂, Bayankhongor, 75 km S Bayankhongor, 45°20N100°48'E, 1330m, 8.VII.2004, leg. J. Halada; 1♀, Bayankhongor, 16 km NW Bayankhongor, 46°13'N100°30'E, 2165m, 11.VII.2004, leg. J. Halada; 1♀, Övörkhangay, 12 km SW Araykheer, 46°22'N102°49'E, 1770m, 3.VII.2004, leg. Kadlecova; 2♀♀, 40 km SW Uliastay dunes, 18.VII.2005, leg. J. Halada; 1♀, Övörkhangay, 139 km SW Araykheer, 45°17N 101°41'E, 1430m, 4.VII.2004, leg. J. Halada; 1♀, Gobi, Gurvan Saykhan N.P., 40 km W Dalanzadgad, 2000m, 28.-30.VI.2003, leg. J. Halada; 1♀, 3♂♂, 100 km W Mandagov Sangiyn Dalay 7.VII.2005, leg. J. Halada; 2♂♂, Gobi n. park, Gurvan Saykhan-N, 44°00'N 101°80'E, 10.VII.2005, leg. J. Halada; 9♂♂, Dalanzadgad env., 24.-26.VI.2003, leg. J. Halada; 1♂, Atayn Mts., Gichigniy Nuruu Bulgan env., 12.VII.2005, leg. J. Halada; 1♂, Mongol Els n.res., 47°24'N 103°39'E, dunes, 1320m, 31.VII.2006. leg. J. Halada.

M o z a m b i q u e : 1♀, 4♂♂, 15 km SSE Manie, 15°29'S 33°16'E, 530m, 2.-4.XII.2005, leg. Kadlecova; 1♀, 15 km S Guro, 17°33'S 33°16'E, 800m, 30.IX.2005, leg. Kadlecova 1♀, 20 km SSE Manje, 15°32.5'S 33°20'E, 460m, 5.XII.2005, leg. J. Halada.

N a m i b i a : 1♀, 30 km E Rundu, 23.I.1993, leg. J. Gusenleitner.

O m a n : 1♀, Dzhophar pr., Al Mughsayi env., 1.-2.X.2003, leg. Jakl.

R . S . A .: 8♀♀, 22♂♂, N-Cape, Skalahari dess., Van Zylsrus, 15.I.2001, leg. Snizek; 3♀♀, 36♂♂, Maputoland, SW Emanguzi, 29.I.2003, leg. Snizek; 1♀, Eastern Cape, 10 km SE Alexandria Nat. Res., 28.-31.I.2000, leg. J. Halada; 1♀, North Cape, 27 km S Strydenburg, 23.I.2000, leg. J. Halada; 1♂, W-Cape, K. Karoo mer, Langberg env., 15.XII.2002, leg. Snizek.

S y r i a : 1♂, Dibbin, 30 km S Suwayda, 15.-17.V.1996, leg. Mi. Halada; 1♂, Raqqa Rasafah, 16.-17.VI.1998, leg. Hradsky.

T a n z a n i a : 1♀, Iringa pr., 100 km NE Iringa, 07°37'S 36°17'E, 660m, 9.I.2007, leg. J. Halada.

T h a i l a n d : 1♀, Prov. Mae Hong Son S Pai, Tald des Mae Nam Pai, NE Ban Spo Sa, 19°15'57''N 98°26'52''E (GPS), 500m, 13.IV.2000, leg. H. & R. Rausch; 2♀♀, 1♂, Pai (Sopong), 6.-9.VI.1997, leg. Snizek (The whitish pubescenc of these specimens is reduced!).

T u r k e y : 1♀, Kizilcahamam, N Ankara, 9.VII.2000, leg. M. Halada; 1♀, 1♂, Sultan Yalvae env., 5.VII.1993, leg. Jirosek.

T u r k m e n i s t a n : 3♀♀, 12♂♂, Aschabat 15 km N, 25.-31.V.1993, leg. M. Halada; 1♂, Sandikatzi env., 3.-13.V.1993, leg. J. Halada.

U n i t e d   A r a b   E m i r a t e s : 1♀, Al Ain, Fesdah, 15.X.1999, leg. Gillet.

U z b e k i s t a n : 1♂, Nuratan Mts. Navoiv, 40°10N 65°35'E, 14.VI.1994, leg. ?

I could not determine the following specimens of *Prionyx*: Bulgaria (1♂), Iran (1♂), Kazakhstan (1♀), Laos (1♂), Mongolia (1♂), Morocco (1♀) and R S A (2♀♀).

Genus *S p h e x* LINNAEUS 1758 765♀♀, 1090 ♂♂

Sphex antennatus F. SMITH 1856 1♂

N e w   C a l e d o n i a : 1♂, Pr. Sud, 10 km SE Around Camp Nefecha, 4.XII.2004, leg. Kudrna.

Sphex argentatus **FABRICIUS 1787** 40♀♀, 48♂♂ (compared with ♀♂ det. Kohl, NHMW)

The following specimens are charactrized by black hairs on the propodeum and broad placoids on male flagellomeres V and VI.

B e n i n : 2♂♂, Zangnanado riv. Ouene, 15.IV.2000, leg. J. Halada.

B o t s w a n a : 1♀, Maun, Isl. Saferi Lodge, I. 1997, leg. Snizek.

E g y p t : 1♂, Alexandria, IX.1918, leg. Gottwald.

K e n y a : 1♂, Voi, 16.V.2007, leg. M. Halada; 1♂, Voi (Tsavo) env., 22.XI.-2.XII.1996, leg. Mi. Halada; 2♂♂, E Mwingi, 14.V.2007, leg. M. Halada; 1♀, Mwingi Kangonde vada, 18.IV.2007, leg. M. Halada; 1♀, Mwingi Kangode vada, 18.IV.2007, leg. M. Halada.

M a l a w i : 2♀♀, Nkhotakota, lake Malawi, 2.I.2002, leg. J. Halada.

M o z a m b i q u e : 2♂♂, Manica pr., 45 km NW Chimoio, 12.-20.XII.2003, leg. J. Halada.

N a m i b i a : 1♂, Rundu, 23.I.1993, leg. J. Gusenleitner; 1♂, Rundu, 17.I.1993, leg. J. Gusenleitner; 1♂, 30 km E Rundu, 23.I.1993, leg. J. Gusenleitner; 1♂, Rundu, 22.I.1993, leg. J. Gusenleitner; 1♂, Rundu, 30.I.1993, leg. J. Gusenleitner; 1♀, 1♂, Rundu, 19.I.1993, leg. J. Gusenleitner; 1♀, Rundu, 29.I.1993, leg. J. Gusenleitner; 1♀, 100 km NE Grootionteine, 28.I.1993, leg. J. Gusenleitner.

R S A : 4♂♂, Maputoland, SW Emanguzi, 29.I.2003, leg. Snizek; 1♀, SW-Cape, Franschhoek, 1000m, 17.III.1988, leg. Malicky; 1♀, Eastern Cape, 10 km SE Alexandria Nat.Res., 28.-31.I.2000, leg. J. Halada.

T a n z a n i a : 1♂, Dodoma pr., 70 km N Dodoma, 05°40'S 36°48'E, 1300m, 16.XII.2006, leg. J. Halada; 1♂, Iringa pr., 50 km NW Iringa, 07°41'S 35°22'E, 1000m, 7.I.2007, leg. J. Halada; 1♀, 1♂, Shinyanga pr., 100 km NWW Kahama, 03°25'S 31°47'E, 1200m, 24.XII.2006, leg. Kadlecova; 2♀♀, 1♂, Morogoro pr., 50 km SW Morogoro, 06°50'S 37°15'E, 450m, 12.I.2007, leg. Kadlecova; 1♀, Iringa pr., 100 km NE Iringa, 07°37'S 36°17'E, 660m, 9.I.2007, leg. J. Halada; 1♀, Dodoma pr., 35 km E Dodoma, 1100m, 05°54'S 35°45'E, 14.XII.2006, leg. J. Halada; 1♀, Pwani pr., 15 km W Kibiti, 07°47'S 38°49'E, 100m, 15.I.2007, leg. Kadlecova; 1♀, Pwani pr., 15 km E Utete, 08°03'S 35°53'E, 75m, 16.I.2007, leg. J. Halada.

Z a m b i a : 1♀, 1♂, 70 km NE Kapiri Mposhi, 13°41'S 29°18'E, 1250m, 21.XI.2005, leg. M. Halada; 1♀, 30 km W Livingstone, 19.-22.XII.2002, leg. J. Halada.

Z i m b a b w e : 1♀, (ZW) Dete (Hwange NP), 11.XII.1997, leg. Plass.

These following specimens are characterized by greyish hairs on the propodeum not obscuring the sculpture and flagellomere V of males with narrow placoid as mentioned by HENSEN 1991: 21.

C h i n a : 1♀, Yunnan, Daju, 24.-29.VI.1994, leg. Kucera; 1♀, Yunnan, Daju, 2000m/m, 22.-25.VI.1996, leg. Kucera.

I n d o n e s i a : 1♂, W-Java, Bogor, Bot. Gard., 250, 1955, leg. Harmann (det. v.d. Vecht 1959); 1♀, 1♂, W-Java, Bogor, Gard., 250m, 18.VII.1959, leg. Haman; 2♀♀, 1♂, W-Java, Bogor, VII.1960, leg. Hamann; 1♂, W-Java, Bot. Gerd., 250m, 13.I.1961, leg. Hamann; 1♂, W-Java, Udjung-kulon, Küstenwald sweepnet, VI.1959, leg. Hamann; 1♀, 6♂♂, Java, Kebun Raya, 22.XII.1960 leg. Mauis; 1♀, 3♂♂, Java, Tegalega Bogor, 23.IV.1961, leg. Mauis & Sohn; 1♂, Sumba Isl., East Prov., Wairinding, 200-400m, 11.-12.II.2001, leg. Jackl; 1♀, C-Java, Sigaluh Bahndamm, 21.XII.1955, leg. Hamann (det. v.d. Vecht 1955); 2♀♀, W-Java, Bogor, Bor. Gard., 14.XII.1960, leg. Hamann.

J a p a n : 1♂, Minoo, leg. ?; 1♀, Osaka, leg. ?; 1♀, Riv. Kanzahri, VII.1958, coll. Kocourek.

L a o s : 1♀, Boli Kham Xai prov., 18°21'N 105°08'E, Bannape (8km NE), 600m, 1.-18.V.2001, leg. Kuban.

M a l a y s i a : 1♀, Borneo, Sabah W, 50 km S Tomani, 4.V.1999, leg. Snizek.

R S A : 1♀, 9♂♂, N Cape, S-Kalahari des., Van Zylsrus, 15.I.2001, leg. Snizek; 1♀, E Cape, Graaf-Reinet, Nieu-Bethesda, 28.I.2002, leg. Snizek.

T h a i l a n d : 1♀, Mogtian, 27.II.1988, leg. Malicky; 2♀♀, Sai Yok NP, 14°25'N 98°52'E, 28.VI.1999, leg. Safanda.

V i e t n a m -mer.: 1♀, Vung Tau, 30.IX.1988, leg. Becvar.

Sphex argentinus **TASCHENBERG 1869** 1♀ (compared with ♀ det. Vardy, NHMW)

A r g e n t i n a : 1♀, Pronuniamiento, Prov. Entre Rios, II.1964, leg. Walz.

Sphex atropilosus **KOHL 1885** 1♀, 2♂♂ (compared with ♀ det. Kohl and type ♂ det. Kohl, NHMW)

K a z a k h s t a n : 2♂♂, Dzhanibek env., VI.2001, leg. Miatleuski.

T u r k e y : 1♀, Prov. Kars, Station Soganli, 30 km W Sarikamis, 2100m, 1.-2.VIII.1985, leg. Schacht (det. M. Ohl).

Sphex brasilianus **DE SAUSSURE 1867** 5♀♀ (compared with ♀ det. Kohl, NHMW)

E c u a d o r : 2♀♀, Napo prov., 8 km S Tena, Puerto Napo, 400m, 16.-22.II.2002, leg. Ma. Halada; 1♀, 80 km NW Quito, Pacto, 1300m, 26.II.-2.III.2002, leg. Ma. Halada.

G u y a n a F r e n c h : 1♀, 20 km E St. Laurent du Maroni, route Crique NAI, 25.XII.2006, leg. Snizek; 1♀, Relais de Patawa, 35 km S Roura, 17.VI.-16.VII.2000, leg. Kadlec.

Sphex caliginosus **ERICHSON 1849** 3♀♀, 1♂ (compared with ♀♂ det. Kohl, NHMW)

E c u a d o r : 1♂, Tungurahua, prov. Banos, 1500m, 14.II.2002, leg. M. Halada.

G u y a n a F r e n c h : 1♀, Relais de Patawa, 35 km S Roura, 17.VI.-16.VII.2000, leg. Kadlec.

P e r u : 1♀, Huallsos Aquaycia, 400m, IX.1961, leg. ?: 1♀, no specific locality.

Sphex cinerascens **DAHLBOM 1843** 1♀, 1♂

T h a i l a n d - b o r . o c c .: 1♀, 1♂, Pai (Sopong), 6.-9.VI.1997, leg. Snizek.

Sphex cubensis **(FERNALD 1906)** 1♀ (compared with type ♀ *S. clavipes* (syn.) det. Kohl, NHMW)

C u b a : 1♀, Escambray, 30.XI.1986, leg. Kabourek.

Sphex decipiens **KOHL 1895** 8♀♀ (compared with type ♀ det. Kohl, NHMW)

N a m i b i a : 1♀, 15 km E Swakopmund, 8.II.1993, leg. J. Gusenleitner; 1♀, 90 km NE Grootfontein, 16.I.1993, leg. J. Gusenleitner.

R S A : 1♀, Eastern Cape, 30 km W Grahamstown Olifantskop pass, 25.I.2000, leg. J. Halada; 2♀♀, O. F. S., 30 km N Colesberg orange riv., 26.XI.2002, leg. M. Halada; 2♀♀, North, West, 20 km W Bothaville Kerksdorp Vaal Riv., 31.I.2001, leg. Snizek; 1♀, W Cape, Clanvilliam Pakhwispas, 17.I.2001, leg. Snizek.

Sphex deplanatus **KOHL 1895** 2♀♀ (compared with ♀ det. Kohl, NHMW)

N o t e : These females agree with the description of KOHL 1906: 31 exapt the mesonotum, that is pubescent like in *S. sericeus*.

I n d i a : 1♀, Karnataka, Udupi distr., Bhatkal, 27.V.2006, leg. Kejval.

V i e t n a m : 1♀, Thuan Ho Prov., Phan Rang, 20.IV.-7.V.1982, leg. Soldan.

Sphex diabolicus **F. SMITH 1858** 14♀♀, 7♂♂

The following specimens are characterized by yellowish-whitish hairs on frons, clypeus and propodeum.

This is conform to *Sphex diabolicus flammitrichus* STRAND sensu van der VECHT 1973: 343.

L a o s -c: 1♀, Bolikhamsai pr., Ban Nape env., 350m, 18°20'N 105°08'E, 7.-16.V.2004, leg. Jendek & Sausa.

V i e t n a m : 4♀♀, 1♂, Hanoi, 18.-20.V.1982, leg. Soldan; 1♀, Thuan Ho Prov., Phan Rang, 20.VI.-7.V.1982, leg. Soldan.

V a r i a t i o n (?): These specimens are characterized by black hairs on frons, clypeus and propodeum. Van der VECHT 1973: 343 writes on this problem: "*Sphex fulvohirtus* BINGHAM 1890, described fom Ceylon, is very similar in general appearance, but differs in having the bristles on the clypeus black; its status deserves further study."

I can not find differences to the specimens above in male flagellomeres (broad placoids on IV-VI) and genitales. Indeed further examinations should be done!

L a o s : 2♂♂, Bolikhamsai pr., Ban Nape env., 350m, 18°20'N 105°08'E, 7.-16.V.2004, leg. Jendek & Sausa; 2♂♂, Vientiane pr., 55 km N Vientiane, 18°27'N 102°49'E, 100m, 4.-18.V.2005, leg. Kresl.

I n d i a : 1♀, Maharashtra, ca. 15 km N Mahad, near river, ca. 20m, 18°12'N 73°24'E, 8.VI.2006, leg. Kejval; 2♂♂, Arunchal, 8 km S Jamiri, 350m, 27°07'N 92°34'E, 4.VI.2005, leg. Pacholatko.

I n d o n e s i a : 5♀♀, Mentawai Isl, N. Siberut Isl., 50-100m, 3.IV.2005, leg. Jakl; 1♀, Mentawai Isl, M. Siberut Isl. Bojakan, 110m, VI.2004, leg. Jakl.

M a l a y s i a : 1♀, Pahang, 30 km NE Raub, Lata Lembik, ET 3°56'N 101°38'E, 300m, IV.-V.2002, leg Kejval.

***Sphex dorsalis* LEPELETIER DE SAINT FARGEAU 1845** 44♀♀, 46♂♂ (compared with ♀ det. Vardy, NHMW)

A r g e n t i n a : 3♀♀, 4♂♂, Pronuniamiento, Prov. Entre Rios, II.1964, leg. Walz; 1♀, Entre Rios, Departonanto Celon, Isla Pipo (Rio Uruguay), 28.I.1964, leg. Walz.

E c u a d o r : 28♀♀, 31♂♂, Napo prov., 8 km S Tena, Puerto Napo, 400m, 16.-22.II.2002, leg. Ma. Halada; 4♀♀, 5♂♂, Napo prov., 70 km SW Coca, Loreto, 300m, 4.-10.III.2002, leg. Ma. Halada; 1♂, Puerto Napo, 5 km S tena, 500m, 15.-24.II.2002, leg. Kuderna.

G u y a n e F r e n c h : 4♀♀, 20 km E Saint Laurent du Maroni, 12.VIII.2006, leg. Snizek; 1♀, Matoury, 3.-17.IX.1992, leg. Marak; 1♀, Kiss. St. Antoinne, X.1992, leg. Marek & Seidl; 1♀, 1♂, Saint Georges env., 1.-2.XI.2006, leg. Savorec & Houska; 1♀, 2♂♂, Mount de Kaw Fourgassie, 5.VIII.2006, leg. Snizek; 2♂♂, Régina env., 25.-31.I.2006, leg. Savorec & Houska.

***Sphex flavipennis* FABRICIUS 1793** 79♀♀, 196♂♂

N o t e : The presence in most females of appressed white setae on the pronotal collar and scutum identifies *S. flavipennis* and separates the species from the similar *S. funerarius* which lacks such pubescense. Unfortunately the appressed setae are poorly developed in some poulations, and in older material they are often worn away. In such cases association with males offer the only reliable means of identification (MENKE & PULAWSKI 2000: 331). Males can be identified by characteristic placoids on flagellomeres V-VII.

A l g e r i a : 2♂♂, Aures: Ain Zaatout, 1.-4.IV.1991, leg. Hoffer & Horak.

B u l g a r i a : 1♂, Sandanski env., 28.VI.1996, leg. Kubes; 1♂, Kaliskra, 3.VII.1978, leg. Pardr.

C h i n a - occ.: 1♀, Boro Roro Shan, Jining Ining-H-Sion, 44°06SS 81°56'VD, 26.-31.VII.1991, leg. Snizek.

C r o a t i a : 3♂♂, Insel Krk, U. Baska, 1.-7.VIII.1999, leg. Drack; 1♂, Dalmatien, Krk, Baska, 1.-24.VIII.1975, leg. Tiefenthaler; 2♂♂, Baska, 1.-24.VIII.1975, leg. Heinrich; 2♀♀, Baska, 1970-1971, leg. Heinrich; 1♀, Zaton p. Zadar, 19.-22.VI.1999, leg. Chwalkovsky.

G r e e c e : 2♂♂, Karpathos Amopi, 14.VI.2004, leg. Tkalců; 2♀♀, 2♂♂, Kinetra env., 3.VII.1997, leg. Deneš sen.; 1♂, Makedonien, Pella SE Pella, 40°45'N 22°31'E, 50m, 12.VII.1990, leg. Rausch; 1♂, Lampini NW, 25.V.2004, leg. Sarovec; 2♂♂, Akrokorinth, 25.V.1964, leg. Aigner;

1♀, 1♂, Rhodos, Faliraki env., 14.-22.VII.2003, leg. Nemec; 1♂, Cephallonia, N Paliki peninsula N Atheras env., 2.VII.2006, leg. Bulirsch; 1♂, Mittel-Kreta, Limin Hersonissou, 13.-16.VI.1993, leg. Tiefenthaler; 1♂, Recko, Preveca, 9.VII.1997, leg. Hradsky; 3♀♀, Rhodos, Archangelos, 2.-14.VI.1996, leg. Hradsky; 1♀, Elea, 26.VIII.1986, leg. Link; 2♀♀, Epeiros, 20 km N Preveza, 29.VIII.1997, leg. J. Halada; 1♀, Recko, Preveza, 14.VII.1997, leg. Hradsky; 1♀, Chalkidike Kasandra env. 5.-9.IX.1997, leg. J. Halada; 1♂, Pelopon., 40 km S Argos P. Astros, 4.VII.1996, leg. Ma. Halada; 1♂, Samos, Pythagoria, Umg. Hotel Maritsa Bay, 37°42'N 26°57'E, 6.-10.VI.2007, leg. Tiefenthaler.

I t a l y : 5♀♀, 14♂♂, SardegnaN, Nuoro env., 25.-26.VI.2000,.eg. J. Halada; 3♀♀, 7♂♂, Basilicata, 25 km W Lauria, 4.-5.VIII.1999, leg. J. Halada; 1♂, Sardegna E, Cala Gonome beach, 27.VI.2000, leg. J. Halada; 1♀, 1♂, Sardegna N, Nuoro env., 25.-26.VI.2000, leg. J. Halada.

I r a n : 1♀, Bandar-e Busehr, 11.V.1999, leg. Deneš; 2♂♂, prov. Tehran, pass between Gadul and Veresk, 35°50'57''N 52°56'47''E, 2050m, 16.-20.VII.2001, leg. Kalabza.

K a z a k h s t a n : 9♂♂, Dzambul env. (115 km), Akkel (polopoust), 1.VIII.1980, leg. Padr; 2♂♂, Lepsi 6 km SE, 18.VI.1992, leg. M. Halada; 1♂, Lake 50 km E Balkash, 26.-27.VI1992, leg. J. Halada; 1♂♂, ridge Malaysari 144 km N Alma Ata, 25.VI.1992, leg. M. Halada; 1♂, Georgievka, 43.2°N 75.6°E, 16.VI.1995, leg. J. Halada; 1♂, Alma-Ata, 25.VI.1992, leg. Deneš; 1♀, unreadable, 1200m, 28.VII.1998, leg. unreadable.

K y r g y z s t a n : 4♂♂, Kirghizky Mt.R., Uzun-Bulag, Ala-Archa riv., VII.2000 leg. Gurko; 3♂♂, Burgandi, 60 km W Jalabad, 14.VI.1995, leg. J. Halada; 11♂♂, Kirg. Mts., Tschon-Aryk, 900m, 30.VII.2001, leg. Gurko; 2♀♀, 9♂♂, Osh area, 25 km S Osh Aravan, VI.2000, leg. Gurko; 4♂♂, Tchon-Aryk foothills 2 km S Bishkek, 42°47'N 74°34'E, 25.VI.2000, leg. Zonstein; 1♂, Kirghizkij Mts. foothills 2 km S Bishkek, 42°47'N 74°34'E, 1050m, 26.IX.1998, leg. Zonstein; 3♂♂, Frehgansky Mt.R. Toscool-Ata, Pistacea forest, VIII.2000, leg. Gurko; 9♀♀, 9♂♂, Tshatkal Mt. R. Shikaftar, VII.2001, leg. Gurko; 3♂♂, Ferhana valley near Masy, 3.VIII.2001, leg. Gurko; 1♀, 2♂♂, Ferghan Mt.R. Toscool-Ata, 1500m, 29.VII.2000, leg. Gurko; 1♂, Kirghizky Mt.R. Ala-Archa riv. vall., 1650m, 17.VIII.2000, leg. Gurko; 1♂, Zailijsky Alatau Mt.R. Ak-Tjuz, VII.2000, leg. Gurko; 1♂, Chamaldi-Sai, 41.2°N 71.8°E, 30.V.1997, leg. J. Halada; 2♀♀, Ferghanskyi Mts., Toscool-Ata, 1200m, 1.VIII.2001, leg. Gurko; 2♀♀, Kirghizkyi Mts. Tchon-Aryk, 900m, 11.VII.2001, leg. Gurko.

M a k e d o n i a : 2♂♂, Lake Dojran, 16.VII.1968, leg. Padr.

M o r o c c o : 2♂♂, 10 km N Marrakech, 13.V.1997, leg. J. Halada; 1♀, Marrakech, 13.V.1997, leg. Deneš.

R u s s i a -S: 2♀♀, Rostov reg. Krymskij Ust-Binetzkij distr., VI.2006, leg. Arzanov.

S p a i n : 1♂, Aragón Sastaso SE Zaragoza, 13.IV.2003, leg. Marinova.

S y r i a : 4♂♂, 30 km W Damascus, 19.VI.2000, leg. M. Halada; 1♂, Lake Ashad, 10 km SV Mishirish/Raqqa, 35°49'N 30°20'E, 15.-16.VI.1990, leg. Hradsky; 1♀, Golan, leg. Schneider.

T a j i k i s t a n : 1♂, Karatag, VI.1966, leg. Deneš; 1♂, Tashkent, 40 km vych Circik, 4.VII.1981, leg. Kocourek; 1♂, Nurek (dam), 7.-10.VI.1990, leg. J. & M. Halada.

T u n i s i a : 1♀, Tabarka, 10.-16.VII.1997, leg. Werner.

T u r k e y : 4♂♂, Denizli, 35 km SSE Denizli, 970m, 37°37'N 29°17'E, 5.VII.2006, leg. J. Halada; 1♀, 2♂♂, SE Elazig Hazar Gölü, 29.VI.2000, leg. Ma. Halada; 1♀, 3♂♂, Denizli, 10 km N Denizli, 37°56'N 29°07'E, 290m, 4.VI.2006, leg. M. Halada; 1♀, 2♂♂, Denizli, 10 km NE Denizli, 37°56'N 29°07'E, 270m, 5.VII.2006, leg. J. Halada; 3♀♀, 9♂♂, Aciöl, Cardak env., 7.VII.1993, leg. Deneš, Mi. Halada & Jirousek; 3♂♂, Europ. Türkei, Vil Kirklareli, W Erklice am Fluss Teke Deresi, 130m, 41°15'00''N 27°07'51''E (GPS), 18.VI.2001, leg. H. & R. Rausch; 2♀♀, 2♂♂, Manisia, 40 km NW Salihli, 150m, 38°40'N 27°45'E, 26.VI.2006, leg. J. & M. Halada; 1♂, Manisia, 15 km SSE Salihli, 170m, 38°26'N 28°19E, 2.VII.2006, leg. M. Halada; 1♂, Manisia, 30 km SEE Salihli, 430m, 38°22'N 28°25'E, 29.VI.2006, leg. M. Halada; 1♀, 1♂, Manisia, 35 km SEE Salihli, 900m, 38°20N 28°24'E, 30.VI.2006, leg. J. Halada; 1♀, 3♂♂, Isparta, 8 km NE Isparta, 1020m, 37°52'N 30°40'E, 9.VII.2006, leg. J. & M. Halada; 2♂♂, Isparta, Egirdir Gölü, 5 km N Akkecili, 920m, 10.VII.2006, leg. J. Halada; 4♂♂, 20 km NW Igdir, 29.VI.1997, leg. Ma. Halada; 1♂, 20 km E Alanya, 16.VI.1997, leg. Ma. Halada; 1♀, 4♂♂, vil. Icel (Mersin) Büykeceli (Ovacik) env., 50-100m, 14.-18.VII.1998, leg. Riha; 1♂, vil. Bursa

Cagliyan env., 10.-14.VII.1997, leg. Prudek & Riha; 1♂, Eskisehir Inömil, 800m, 1.VIII.1991, leg. M. Halada; 1♂, Kutahya, 28 km SSE Kutahya, 39°13'N 30°08'E, 1110m, 12.VII.2006, leg. J. Halada; 1♂, Burdur, 28 km SE Burdur, 1350m, 37°40'N 30°28'E, 8.VII.2006, leg. M. Halada; 1♂, Calalca, Yarimadasi Evrese env., 4.VII.2003, leg. Jenis; 1♂, Sakarya, 25 km S Adapazari, 13.VII.2006, leg. Ma. Halada; 1♀, 1♂, Nemrut Dagi Karadut, 2.VII.1993, leg. Deneš; 1♂, Kahramanmaras Pazarcik, 24.VI.2000, leg. M. Halada; 1♂, Osmaniye Zorkun, 3.VI.2001, leg. Snizek; 1♂, 15 km E Malatya, 27.VI.2000, leg. M. Halada; 1♂, 20 km W Mut, 14.VI.2000, leg. M. Halada; 1♂, Gevas, Van Gölü, 2.VII.2000, leg. M. Halada; 2♀♀, Izmir, Dikili env., 19.VI.1998, leg. J. Halada; 1♀, Gewas, Van Gölü, 29.VI.1993, leg. Mi. Halada; 2♀♀, Silifke, 26.V.2001, leg. Snizek; 2♀♀, Isparta, 5 km N Akkecili, Egidir Gölu, 38°06'N 30°46'E, 920m, 19.VII.2006, leg. M. Halada; 1♀, Eskisehir Sakan Ilica near Gümele, 6.-9.VII.1997, leg. Prudek & Riha; 2♀, Antalya Beldihi, 25m, 21.V.-2.VI.1999, leg. Hradsky; 2♀♀, (Antalya) Konakli W Alanya, 18.-30.VII.1996, leg. Bulirsch; 1♀, Reg. Fethiye, Mugla, 36°41'13''N 29°02'35'E 30.V.1999, leg. Dauber; 1♀, Asia minor, Marmaris, 10.VIII.1964, leg. Link; 1♀, Kutahya, 20 km NNE Kutahya, 13.VII.2006, leg. J. Halada.

T u r k m e n i s t a n : 1♀, 3♂♂, Aschabat, 40 km W Firyuza, 6.VII.1993, leg. M. Halada; 1♂, Aschabat 15 km N, 25.-31.V.1993, leg. M. Halada; 1♂, Aschabat, 20 km E Annau, 3.VI.1993, leg. M. Halada; 1♂, Nebit Dag, 25 km NW Jebel, 22.V.1993, leg. M. Halada; 1♀, Kopetdag mts., W Garrygala env. Parkhai, 10.-16.IX.1991, leg. Miatleuski.

U z b e k i s t a n : 2♂♂, 40°10'N 65°35'E, Mts-Nuratau, VI.1994, leg. Navei; 1♂, 5 km W Ddjizak, 39.9°N 67.5°E, 23.V.1994, leg. Ma. Halada; 1♀, Navoi reg. Tudakul lake, 35 km S Kzyl-Tepe, 25.VI.1986, leg. Gurko.

Variation: This male is characterized by broad placoids on flagellomeres V-VII.

S y r i a : 1♂, Lake Asad, 10 km SV Mishirish/Raqqa, 35°49'N 30°20'E, 15.-16.VI.1990, leg. Hradsky.

Sphex formosellus VAN DER VECHT 1957 4♂♂

I n d o n e s i a : 3♂♂, Timor isl., 28 km S Kupang, 400m, Baum, IX.2005, leg. Jakl; 1♂, Timor isl., 50 km S Kupang Buraon, 350m, II.2006, leg. Jakl.

Sphex fumicatus CHRIST 1791 3♀♀, 14♂♂ (compared with ♀♂ det. Hensen, NHMW)

These males are characterized by erect white hairs on frons and clypeus and placoids only on flagellomeres V and VI.

T u r k e y : 5♂♂, (Antalya) Konakli W Alanya, 18.-30.VII.1996, leg. Bulirsch.

V a r i a t i o n (?): These males and females are characterized by erect black hairs on frons and clypeus. Male flagellomeres with an oval placoid on basal half and broad placoids on flagellomeres III-VI. Male genitals are similar to the specimens above. Further examinations should be done to clear up the status of this variation!

E t h i o p i a -c: 3♂♂, Shewa pr., lake Lango, 30.IV.2007, leg. J. Halada.

K e n y a : 1♀, 3♂♂, Voi, 16.V.2007, leg. M. Halada; 1♂, Voi (Tsavo) env., 22.XI.-2.XII.1996, leg. Mi. Halada; 1♂, Taita Hills, Voi riv., 14.IV.2007, leg. M. Halada; 1♀, Voi (Tsavo) env., 8.-18.XI.1996, leg. Mi. Halada; 1♀, E Mwingi, 14.V.2007, leg. M. Halada.

T a n z a n i a : 1♂, Morogoro pr., 50 km SW Morogoro, 06°50'S 37°15'E, 450m, 12.I.2007, leg. J. Halada.

Sphex funerarius GUSSAKOVSKIJ 1934 290♀♀, 337♂♂

(= *Sphex maxillosus* of authors before 1976, *S. rufocinctus* of authors after 1975)

N o t e : *Sphex funerarius* varies over its extensive range, both in female and male color and number of male antennal placoids. Some females especially can be difficult to distinguish from *S. oxianus* and *S. flavipennis*. Males are easiest to identify because most specimens have broad placoids on flagellomeres III-VIII (MENKE & PULAWSKI 2000: 333).

A l g e r i a : 1♂, Hammam Salihine, 25.V.1971, leg. Hoffer & Horak.

B u l g a r i a : 4♂♂, Slncev Brjag, 5.-15.VI.1977, leg. Padr; 6♀♀, 9♂♂, Slncev Brjag, 28.VI.-14.VII.1971, leg. Padr; 1♂, Slncev Brjag, 18.VII1968, leg. Kocourek; 3♀♀, 2♂♂, Zlaté Piski, 18.-29.VI.1986, leg. J. & M. Halada; 1♀, 5♂♂, Stare Kresna, 20.VI.1987, leg. J. Halada; 3♂♂, Melnik nv., 16.-22.VI.1987, leg. J. Halada; 1♀, 3♂♂, Sandanski, 14.VIII.1993, leg. M. Halada; 3♂♂, Kresna, 12.VII.1990, leg. Tkalců; 1♂, Baloik, 28.VI.1976, leg. Tkalců; 1♂, Vidia, 17.VIII.1993, leg. M. Halada; 2♂♂, Primorsko, 30.VI.1998, leg. J. Halada; 1♂, Primorsko env., 4.-6.VIII.1988, leg. Tyrner; 2♀♀, 1♂, Harmandli, 19.VI.1984, leg. J. Halada; 1♂, Sandanski Liljanovo, 11.VII.1990, leg. Tkalců; 1♂, Kresna, VI.1986, leg. Deneš; 1♀, Vlahi, 14.VIII.1993, leg. M. Halada; 2♀♀, Neseber, 28.VI.1982, leg. Kocourek; 1♀, Kresna, 12.VII.1990, leg. Tkalců; 1♀, Nesebar, 20.VII.-5.VIII.1965, leg. Padr; 1♀, Melnik, 13.VIII.1993, leg. M. Halada; 1♀, Arkutino, 1.VIII.1965, leg. Padr; 2 ♀♀, Ropotamo, VIII.1949, leg. Görtler; 1♀, Sandanski, 21.VII.1966, leg. Kocourek.

C r o a t i a : 2♂♂, Mala Veska, VIII.1967, leg. Kocourek; 10♀♀, 6♂♂, Krk, Baska, 1970-1976, leg. Heinrich; 1♂, Krk, Baska, 7.-20.VII.1984, leg. Tiefenthaler; 1♂, Budon, 1971, leg. Deneš; 1♂, Cunski, 5.VII.1997, leg. ?; 1♂, Dalmatia, Makarska Coast, 21.VI.1988, leg. Simandl; 2♂♂, Istria, Vodjan env., 24.VIII.1998, leg. J. Halada; 10♂♂, Istria, Premantura, 19.VII.2002, leg. Ma. Halada; 3♀♀, 1♂, Dalmatia, Krk, Sibenik, 27.VII.1997, leg. Padr; 6♀♀, 2♂♂, Istria, 10 km N Pula, 25.-27.VIII.1998, leg. J. Halada; 4♀♀, 1♂, Istria, SW Peroj, 17.VII.2002, leg. Ma. Halada; 2♀♀, 1♂, Istria W, 10 km E Rovinj, 16.VII.2002, leg. Ma. Halada; 3♀♀, Istria, Vodnjan env., 7.-9.VII.1999, leg. J. Halada; 1♀, Porec env., 1.-3.IX.1996, leg. J. Halada; 1♀, Insel Krk, 6.IX.1994, leg. Drak; 5♀♀, Murter, leg. Niedl; 1♀, Przno, VII.1976, leg. Niedl; 3♀♀, unreadable.

C z e c h R e p u b l i c : 1♂, Bohemia, Chlum u Trebore, VIII.1999, leg. J. Halada; 2♀♀, 2♂♂, Moravia, Cejc, 6.VIII.1969, leg. Kocourek; 1♂, Moravia, Znojmo, 18.VII.2003, leg. Snizek; 8♀♀, Moravia, Brno, Stranska shala, 3.VIII.2002, leg. Riha; 1♀, Moravia, Cejc, VIII.1957, leg. Kocourek; 1♀, Moravia, Ceja, 27.VII.1955, leg. Padr.

F r a n c e : 1♂, Le Lavandou, 21.VI.1972, leg. Padr; 1♀, Stes. Maries de la Mèr, 21.-22.VI.1965, leg. Sommer Obervellmar; 1♀, Nimes, IX.1965, leg. Heinrich.

G r e e c e : 1♀, 7♂♂, Pelopon., 20 km E Sparta, Ag. Anagiri, 5.VII.1996, leg. Ma. Halada; 5♂♂, Pelopon., 20 km N Pilos Marathopoli, 8.VII.1996, leg. Ma. Halada; 3♀♀, 4♂♂, Klnetra env., 3.VII.1997, leg. Deneš sen.; 1♂, Preveza env., 25.VI.1995, leg. Deneš sen.; 3♀♀, 2♂♂, Pelopon., 40 km S Argos, P. Astros, 4.VII.1996, leg. Ma. Halada; 11♀♀, 5♂♂, Kreta SE, Rapaniana, VI.2002, leg. Tkalců; 1♂, Kreta SE, Kolymbari, 21.VI.2002, leg. Tkalců; 1♂, Mittel-Kreta, Limin Hersonisson, 13.-16.VI.1993, leg. Tiefenthaler; 1♂, Pelopones, Gythion, 6.V.1979, leg. Hladilovi; 2♂♂, Karpathos, Lefkos, 7.VI.2004, leg. Tkalců; 3♂♂, 20 km N Peveza, 29.VIII.1997, leg. J. Halada; 1♂, Crete, Giorgio Poli Sea NW, 22.V.2004, leg. Sarovec; 2♀♀, VIII.1979, leg. Cerny; 2♀♀, Rhodos, Archangelos, 2.-14.VI.1996, leg. Hradsky; 1♀, Pelopones, Gythio, 2.VI.2006, leg. Houska; 3♀♀, Epeiros, 20 km N Preveza, 29.VIII.1997, leg. J. Halada; 2♀♀, Epeiros, Igoumenitsa, 27.VIII.1997, leg. J. Halada; 1♀, Kreta sept-occ., Gramvousa, 28.VI.2002, leg. Tkalců; 1♀, Kreta, Lampini NW, 25.V.2004, leg. Sarovec; 1♀, Kreta sept-occ., Koumas, 30.VI.2002, leg. Tkalců; 1♀, Karpathos, Amopi, 15.VI.2004, leg. Tkalců; 1♀, Kreta occ., Patima, ca. 500m, 30.VI.2002, leg. Tkalců; 1♀, Kreta, Georgioupoli, 31.V.2003, leg. Kletecka; 1♀, 10 km NE Ioannina, 1.VII.1996, leg. Ma. Halada.

H u n g a r y : 1♀, Örkeny, pisky, 13.-17.VII.1961, leg. Padr.

I t a l y : 1♀, 5♂♂, Basilicata, 25 km W Lauria, 4.-5.VIII.1999, leg. J. Halada; 2♀♀, 7♂♂, Bibione, 10.VI.1996, leg. Deneš; 1♂, Südtirol, Vinschgau, Staben, 700m, 18.VII.1988, leg. Tiefenthaler; 1♂, Toscana, Isl Orbetello, 6.VIII.1999, leg. J. Halada; 2♂♂, Calabria, Mt. Crocco, 30.VII.1999, leg. J. Halada; 1♂, Salerno, Paestum, 1.VII.1972, leg. Padr; 1♂, Toscana reg., 20 km NE Firenze, 5.-6.VII.2000, leg. J. Halada; 1♂, Molise, 10 km S Termoli, 24.VIII.1997, leg. J. Halada; 2♀♀, Gargano Mattinata, 13.-19.VI.1992, leg. Plicek; 1♀, Sardegna E, Lanusei env., 29.VI.2000, leg. J. Halada; 1♀, 90 km N Napoli Gaieta, 28.VII.1999, leg. J. Halada; 1♀, Südtirol, Bozen, 26.VI.1971, leg. ?.

K a z a k h s t a n : 4♂♂, Alma-Ata, 25.VI.1992, leg. Deneš; 2♂♂, Lepsi 6 km SE, 18.VI.1992, leg. M. Halada; 2♀♀, 3♂♂, Lepsi, 46.4°N 78.8°E, 19.-20.VI.1995, leg. Mucka & J. Halada; 4♀♀, 5♂♂, Matai-desert, 46°N 78.6°E, 23.-25.VI.1995, leg. Mucka & J. Halada; 3♂♂, Dzambul env.,

Kara Tau, p. Ujuk (1000m), 3.VI.1980, leg. Padr; 3♀♀, 1♂, Dzambul env. (115 km) Akkol (p.), 1.VI.1980, leg. Padr; 1♂, Dzambul env. (30 km) Golovovcenka (r. Assa), 31.V.1980, leg. Padr; 1♂, Dzambul env. (60 km) Akir Tobe (p.), 4.VI.1980, leg. Padr; 2♀♀, 2♂♂, Ryn-kum sandy steppe NW Kandagash loc, 5.-17.VI.1999, leg. Karalius & Miatleuski; 1♂, SE Aksay env., 16.-19.VI.1992, leg. J. Halada; 1♂, Taldi-Kurgan 200 km NE Tcherkaskoe, 27.VI.1992, leg. Jirousek; 6♂♂, 10 km E Ddjambul, 31.V.1994, leg. Ma. Halada; 1♀, 4♂♂, Fabritchny, 40 km E Alma-Ata, 9.VII.1992, leg. Jirousek; 1♂, Kuyuk 40 km SW Djambul, 1.VII.1992, leg. Jirousek; 2♂♂, Malaysari, 144 km N Alma-Ata, 29.VI.1992, leg. Jirousek; 1♂, SE Tchilik env., 20.VI.1992, leg. J. Halada; 3♂♂, Darbaza, 40 km N Tachent, 30.V.1994, leg. J. & M. Halada; 1♂, lake Alakol Koktuma, 22.VI.1995, leg. J. Halada; 1♂, sandy desert 4 km N Bakanas Lower Ili riv. valley, 12.VI.2000, leg. Zonstein; 2♀♀, ridge Malaysari, 144 km N Alma-Ata, 21.VI.1992, leg. Jirousek; 1♀, Tsambul, 9.VI.1984, leg. Biza.

K y r g y z s t a n : 4♀♀, 9♂♂, Kirghizia Mt. R., Ala-Archa riv. valley, 1650m, 17.VII.2002, leg. Gurko; 19♂♂, Suusamyr Mt. R. Tahitshkan riv., VIII.1999, leg. Gurko; 1♀, 4 ♂♂, Burgandi, 60 km W Jalabad, 14.VI.1995, leg. Mucka & J. Halada; 1♀, 4♂♂, Chamaldi-Sai, 41.2°N 71.8°E, 30.V.1995, leg. J. Halada; 3♀♀, 2♂♂, Kirg. Mts., Tschon-Aryk, 900m, 30.VII.2001, leg. Gurko; 5♂♂, Dzahal-Abad area, Shamaldy-Say, VI.2000, leg. Gurko; 1♀, 2♂♂, Ferghan Mt.R., Toskool-Ata, 1500m, 29.VII.2000, leg. Gurko; 1♀, 1♂, Ferghan Mt. R. Alash-Too Mts., Alash forest, VIII.2000, leg. Gurko; 1♂, Kirgyz Mt. R. 30 km E Osh Taldyk riv., VII.1999, leg. Gurko; 1♂, Alai Mt.R. foothills near Kurshab, 11.VII.2000, leg. Makogonovo; 1♂, Kirghizky Mt. R., Ala-Archa riv. Ooru-Say, 1650m, VII.2000, leg. Gurko; 1♂, Kirghizky Mts., Ala-Archa riv., Kashka-Suu; 1650m, V.2000, leg. Gurko; 2♀♀, 1♂, Kirghisky Mt. R., Alamedin riv. 1700m, VIII.2000, leg. Gurko; 1♂, Osh area, 25 km N Osh Aravan, VI.2000, leg. Gurko; 9♀♀, Tahatkal Mt. R., Shikaftar, VII.2001, leg. Gurko; 2♀♀, Kirghizkyi Mts., Tchon-Aryk, 900m, 11.VII.2001, leg. Gurko; 6♀♀, Kirghizky Mt. R., Uzun-Bulag, Ala-Archa riv., Vii.2000, leg. Gurko; 4♀♀, Ferhana valley near Masy, 3.VIII.2001, leg. Gurko; 1♀, 1.5 km E Dzhalal-Abad, 850m, 40°55.5'N 73°02'E, 20.VII2000, leg. Makogonova; 2♀♀, Tchu Vall., 10 km NNE Telek, 550m, 43°10'N 74°03'E, 17.VI.2000, leg. Makogonova; 1♀, Tchon-Aryk foothills 2 km S Bishkek, 42°42'N 74°34'E, 25.VI.2000, leg. Zonstein; 1♂, Kirgyz. Mts., Tchon-Aryk, 900m, leg. Gurko.

M o n g o l i a : 20♀♀, 9♂♂, Mongol Els n.res. dunes, 1320m, 47°24'N103°39'E, 31.VII.2005, leg. J. Halada; 1♀, 6♂♂, Gobi n. Park, GurvanSaykhan-N, 44°00'N 101°08'E, 10.VII.2005, leg. J. Halada; 2♂♂, Bayankhongor, 75 km S Bayankhongor, 45°20'N 100°48.5'E, 1330m, 8.VII.2004, leg. J. Halada; 2♂♂, Bayankhongor, 75 km S Bayankhongor, 1150m, 46°31'N 100°53'E, 9.VII.2004, leg. J. Halada; 3♀♀, 4 ♂♂, 75 km W Ulaanbaatar, dunes, 2.VIII.2005, leg. J. Halada; 3♂♂, 40 km SW Uliastay, dunes, 18.VII.2005, leg. J. Halada; 2♂♂, Övörkhangay, 139 km SW Arvaykheer, 44°17'N 101°41'E, 1430m, 4.VII.2004, leg. J. Halada; 2♂♂, 90 km NE Tsetserleg, 45°03'N 102°25'E, 1400m, 27.VII.2006, leg. J. Halada; 1♂, Övörkhangay, 159 km SW Arvaykheer, 45°11'N 101°26'E, 1250m, 5.VII.2004, leg. J. Halada; 6♀♀, 3♂♂, 100 km NE Ondorkhaan, Kherlen riv., 970m, 22.VII.2007, leg. J. Halada; 1♂, 50 km N Ulaanbaatar riv., E Mandal, 1180m, 8.-13.VIII.2007, leg. M. Halada; 1♂, Chuluut Gol (riv.), 47°48'N 100°19'E, 1940m, 23.VII.2005, leg. J. Halada; 2♀♀, 1♂, Övörkhangay, 137 NE Arvaykheer, 47°20'N 103°40.5'E, 1250m, 26.VII.2004, leg. Kadlecova; 1♂, Goyi Altayn, 20 km SSE Ongi, 8.VII.2005, leg. J. Halada; 3♀♀, Domogov reg.stepo, 28 km SE Chatan-Bulag, 3.VIII.2007, leg. J. Halada; 2♀♀, Arkhangay prov., 25 km NE Tsetserleg, 47°38'N 101°45'E, 1730m, 23.VII.2004, leg. Straka; 1♀, Arkhangay, 90 km NE Tsetserleg, 48°03'N 102°25.5'E, 1400m, 24.VII.2004, leg. J. Halada; 1♀, Gobi, Govi Altayn Orgon, 11.VII.2005, leg. J. Halada.

M o r o c c o : 1♂♂, 10 km S Rich, 22.V.1997, leg. Ma. Halada; 1♂, 5 km S Tata, 3.V.1995, leg. Ma. Halada; 1♂, Amouguer, 50 km W Rich, 23.V.1996, leg. Ma. Halada; 1♀, 10 km E Guelmin, 5.V.1995, leg. Mi. Halada.

P o r t u g a l : 2♀♀, 1♂, S Celeiro, 17 km N Fafe, 30.VII.1995, leg. Walter; 1♀, Fafe EDOO-Gelände, 1.VIII.1993, leg. Stulnig/Walter.

R o m a n i a : 5♂♂, Donau-Delta, Grindu-Lupilor, 5:IV.1994, leg. Ruicanescu.

R o s s i a : 7♂♂, Rostov/Don reg. VII1996, leg. Martinovka; 1♀, Rostov reg. Krymskij, Ust-Binetzkij distr., VI.2006, leg. Arzanov.

S l o v a k i a : 5♂♂, Chotin, 7.VII.1994, leg. Deneš; 2♂♂, Chotin, 26.VII.1993, leg. M. Halada;

1♂, Kralovsky Chlmac, 18.VII.1987, leg. Padr; 2♀♀, Kovacor, 21.VIII.1953, leg. Pospisil; 1♀, V. Kamenec, 11.VIII.1988, leg. Odehnal; 2♀♀, 1♂, Velky Kamenec, 1 VII.1977, leg. Padr; 2♀♀, Somotor, VII.1952, leg. Kocourek; 1♀, Bol-Latorica, 25.IX.1993, leg. Odehnal; 1♀, Gbelen, VII.1962, leg. Kocourek; 1♀, 1♂, Vel. Kamenec, 7.VI.1996, leg. Odehnal: 2♀♀, 3♂♂, Velky Kamenec, 26.VI.1977, leg. Padr; 1♂, Celakovice, 19.VIII.1956, leg. Padr; 1♀, 2♂♂, Nitra-Kalv, 30.VII.1963, leg. Padr; 3♀♀, 1♂, Strada n/Bodrog 26.VI.1977, leg. Padr; 1♂, Chotin, 9.VIII.1961, leg. Padr; 1♀, Gbelce, 10.VII.1954, leg. Padr; 1♀, Sturovo, 30.VII.1957, leg. Padr; 1♀, Sturovo, 26.VII.1956, leg. Padr; 1♀, Sturovo, 15.VII.1953, leg. Kocourek.

S l o v e n i a : 1♂, 5 km E Koper, 10.VII.1999, leg. J. Halada.

S p a i n : 17♀♀, 5♂♂, Catal. Palamos, VII.1964, leg. Stary; 1♂, Catalunya, Palamos, 2.-6.IX.1997, leg. Stary; 1♀, Costa Brava, Platje de Aro, IX.1991, leg. Deneš.

S y r i a : 1♀, Faouar, 35°55'N 33°13'E, 3.IV.2001, leg. Plass; 3♀♀, Kafr Suwayda, 21.VI.2000, leg. M. Halada; 4♀♀, 30 km W Damascus, 19.VI.2000, leg. M. Halada.

T a j i k i s t a n : 1♂, Dusambe, botany garden, 15.VI.1990, leg. J. Halada; 2♀♀, 1♂, Dusambe, VI.1965, leg. Deneš.

T u r k e y : 1♀, 1♂, Manisia, 30 km SEE Salihli, 430m, 38°22'N 28°25'E, 29.VI.2006, leg. M. Halada; 1♂, Manisia, 35 km SEE Salihli, 900m, 38°20'N 28°24'E, leg. M. Halada; 1♂, Denizli, 10 km NE Denizli, 37°56'N 29°07'E, 270m, 5.VII.2006, leg. J. Halada; 1♂, Acigöl Cardak env., 7.VII.1993, leg. Deneš; 1♂, 20 km W Van, 5.VII.1997, leg. Ma. Halada; 2♂♂, vil. Bursa Cagliyan env., 10.-14.VII.1997, leg. Prudek & Riha; 2♀♀, 1♂, Izmir, 10 km NE Ödemis, 38°20'N 28°04'E, 1200m, 3.VII.2006, leg. J. Halada; 1♂, Konya, 30 km S Aksehir, 24.VI.1998, leg. J. Halada; 1♀, Konya, Cihanbeli Bulak Gölü, 4.IX.1998, leg. Bezdek; 1♀, Denizli, 35 km SSE Denizli, 970m, 37°37'N 29°17'E, 5.VII.2006, leg. M. Halada; 2♀♀, Denizli, 10 km NE Denizli, 290m, 37°56'N 29°07'E, 4.VII.2006, leg. M. Halada; 1♀, Burdur, 20 km SW Burdur, 37°37'N 30°09'E, 940m, 7.VII.2006, leg. M. Halada; 1♀, Canakkale, 6 km N Ezine, 39°51'N 26°19'E, 35m, 27.VI.2006, leg. J. Halada; 2♀♀, Kizilcahamam, N Ankara, 9.VII.2000, leg. M. Halada; 1♀, Isparta Egirdir Gölü, 5 km N Akkecili, 38°06'N 30°46'E, 920m, 10.VII.2006, leg. J. Halada; 1♀, Silivri (Istanbul), 14.VII.1983, leg. Dvorak; 2♀♀, 4♂♂, 20 km NW Igdir, 29.VI.1997, leg. Ma. Halada.

T u r k m e n i s t a n : 3♀♀, Sandikatzi env., 3.-13.V.1993, leg. Deneš & J. Halada; 2♂♂, Aschabad env., 10.VI.1993, leg. M. Halada; 2♂♂, Nebit-Dag, 1.V.1993, leg. M. Halada; 1♂, Aschabad env., 15.V.1993, leg. M. Halada; 1♂, Nebit-Dag, 25 km NW Jebel, 28.IV.1993, leg. M. Halada; 2♂♂, Kugit Angtau mount Koiten; 8.VI.1993, leg. Deneš; 1♀, 1♂, Tzarschanga, 45 km NE Kariyuk, 6.V.1993, leg. M. Halada; 1♂, Aschabat 40 km W Firyuza, 6.VI.1993, leg. M. Halada.

U k r a i n e : 1♀, Crimea, Eupatoria, 22.VI.1999, leg. Gurko; 1♀, Zaporo, 5.VII.1985, leg. J. & M. Halada.

U z b e k i s t a n : 3♂♂, Samarkand env., 19.-21.V.1994, leg. J. Halada; 1♂, Papngan, 20 km W Kokand, 41.2°N 70.6°E, 12.V.1994, eg. J. Halada; 1♀, 1♂, Yangikichlak, 100 km NW Ddjizak, 40.3°N 66.9°E, 25.V.1994, leg. Ma. Halada; 1♀, Kainarsai, Ugam Mt.R. 1200m, 41°42'N 70°02'E, 24.VII.1996, leg. Zonstein.

Sphex haemorrhoidalis FABRICIUS 1781 28♀♀, 78♂♂

The males of the following specimens are completely black and characterized by an apical margin of the clypeus with a short median lobe or in some cases with two small lobes as mentioned in BERLAND 1956: 1177. Flagellomeres V (VI) with broad placoids. Sternite VIII apical slightly rounded, sternites VII and VIII with considerable hairs.

K e n y a : 1♀, 10♂♂, Taita Hills Wundanyi, 5.-10.IV.1997, leg. Ma. Halada; 1♀, 3♂♂, Taita Hills Wundanyi, 18.-22.III.1997, leg. Ma. Halada; 1♀, Voi, 23.XI.1997, leg. Snizek; 1♀, Taita Hills Wundanyi, 24.XI.1997, leg. Snizek; 3♀♀, (Tsavo) Tai Hills Wundanyi, 19.-21.XI.1996, leg. J. Halada.

M a l a w i : 1♀, 100 km S Kasungu, 29.XII.2001, leg. J. Halada; 1♀, 85 km SE Lilongwe Dedza, 17.-19.XII.2001, leg. J. Halada.

M o z a m b i q u e : 1♂, 65 km S Vlóngné, 15°13'S 34°19'E, 1250m, 8.XII.2005, leg. J. Halada;1♀, Manica pr., 65 km W Chimoio, 10.-11.XII.2003, leg. J. Halada.

R S A : 8♂♂, Kwazulu Natal, Utrecht, 28.XI.2002, leg. Snizek; 2♀♀, 6♂♂, Kw. Natal S, Port Shepstone 20 km W, 2.II.2002, leg. J. Halada; 5♂♂, Kwaza Zulu Natal, 20 km W Vryheid, 29.XI.2002, leg. Ma. Halada; 1♀, 4♂♂, Kawazulu Natal, 20 km S Newcastle, 28.XI.2002, leg. Ma. Halada; 2♀♀, 2♂♂, Kawazulu Natal, 20 km S Bergville, 5.II.2001, leg. Snizek; 1♂, Kw. Natal Eshove env., 5.-6.II.2000, leg. J. Halada; 1♂, Maputoland SW Emanguzi, 29.I.2003, leg. Snizek; 1♀, 1♂, Mpumalanga, 20 km NW Nelspruit, 26.XI.2003, leg. J. Halada; 1♂, West Cape, Klein-Karoo, Grot riv. Langberg, 24.XI.2002, leg. Ma. Halada; 2♀♀, Pretoria city, 12.II.2000, leg. J. Halada; 1♀, Mpumalanga, 20 km SE Nelspruit, 5.-6.I.2004, leg. J. Halada.

T a n z a n i a : 1♂, Mbeya pr. Mbeya city, 5.I.2007, leg. J. Halada; 1♂, Mbeya pr. 70 km NW Tunduma, 09°56'S 32°25'E, 1500m, 2.I.2007, leg. J. Halada; 1♀, 1♂, Rukwa pr., 30 km NNW Mpanda, 05°54'S 30°56'E, 1300m, 30.XII.2006, leg. Kadlecova; 1♂, Kigoma pr., 25 km SSE Kasulu, 04°44'S 30°11'E, 1200m, 28.XII.2006, leg. J. Halada.

Z a m b i a : 1♀, 3♂♂, 50 km W Chingola, 9.-11.XII.2002, leg. J. Halada; 2♂♂, 100 km NE Kapiri Mposhi, 4.-7.XII.2002, leg. J. Halada; 1♂, W Chingola Tanga farm, 6.XI.2005, leg. Snizek; 1♂, 60 km NW Kapiri Mposhi, 8.XII.2002, leg. J. Halada; 1♂, 10 km SW Choma, 18.XII.2002, leg. J. Halada; 1♂, 70 km NE Kapiri Mposhi, 21.XI.2005, leg. Snizek; 1♂, 80 km W Chingola, 12.XII.2002, leg. Kantner; 2♀♀, 50 km W Chingola, 1.-2.I.2003, leg. J. Halada; 1♀, 45 km SE Kitwe, 12.-15.I.2003, leg. J. Halada; 1♀, 30 km SE Choma, 27.XII.2002, leg. J. Halada; 1♀, 100 km NE Livingstone, 26.XII.2002, leg. J. Halada; 1♀, road Chingola-Solwezi, 2.XII.2004, leg. Snizek.

Z i m b a b w e : 4♂♂, 15 km SE Muzarabani Mavhuradonha Saf., 17.XII.1998, leg. J. & M. Halada; 1♀, Harare env., 20.I.1998, leg. Ma. Halada.

V a r i a t i o n 1 : The apical margin of these males are slightly concave, without median lobe. Flagellomere IV (V) with narrow placoids. Sternite VIII mostly acute and with poor pubescens.

N a m i b i a : 1♂, 100 km SW Rundu, 1.II.1993, leg. J. Gusenleitner.

R S A : 3♂♂, West Cape, Klein-Karoo Grot riv., Langberg, 24.XI.2002, leg. Ma. Halada; 1♂, N-Cape, S-Kalahari des., Van Zarus, 15.I.2001, leg. Snizek; 1♂, O.F.S., 30 km N Colesberg, Orange riv., 25.XI.2002, leg. M. Halada; 1♂, E Cape, Graaft-Reinet, Nied-Bethesda, 28.I.2001, leg. Snizek; 1♂, W Cape, Barrydale, 18.XII.2002, leg. Snizek; 1♂, North, West, 20 km W Bothaville Klerisdorp Vaal riv., 31.I.2001, leg. Snizek.

V a r i a t i o n 2 : The following males are characterized by a clypeus slightly concave, without median lobe. Only flagellomere V with narrow placoid and only sternite VII with apical black frings which form dense dufts on each side. Sternite VIII apical slightly rounded and with short dense pubescense. Gonostyles latero-distal with longer hairs than in variation 1.

K e n y a : 3♂♂, E Mwingi, 14.V.2007, leg. M. Halada; 1♂, Mwingi, 18.IV.2007, leg. M. Halada; 1♂, E Taveta, 7.IV.2007, leg. M. Halada; 1♂, Taita Hills, 14.IV.2007, leg. M. Halada.

Sphex haemorrhoidalis mweruensis **ARNOLD 1947** 5♂♂

B e n i n - c . o r . : 1♂, Dept. du Borqou Kandi env. of Saa, VI.2001, leg. Kantner.

N i g e r i a : 1♂, Plateau State, 6.VI.1988, leg. Soldan.

U g a n d a -NC: 1♂, 20 km NE Gulu Patiko, 5.XII.2001, leg. Snizek.

Z a m b i a : 1♂, 60 km W Chingola, 10 XII.2002, leg. Kantner; 1♂, Mkushi env. E, 16.-18.XII.2004, leg. Snizek.

Sphex ichneumoneus (LINNAEUS 1758) 22♀♀, 25♂♂ (compared with ♀ det. Kohl, NHMW)

N o t e : I cannot distinguish *S. jamaicensis* (DRURY 1773) from *S. ichneumoneus*, which is very variable in color and male flagellum. The shape of male genitalia from the one specimen of Jamaica is like that of the specimens from Guyana French and Argentinia. Maybe these species are synonymous?

A r g e n t i n a : 11♀♀, 10♂♂, Pronuniamento, Prov. Entre Rios, II.1964, leg. Walz; 1♀, Prov. Entre Rios, Pronun Iamiento, 3.III.1964, leg. Walz; 1♀, Prov. Entre Rios, Loc 1 da Mayo, 12.I.1963, leg. ?; 1♂, Pronun Iamiento, Prov. Entre Rios, 23.II.1964, leg. Walz.

D o m i n i c a n R e p u b l i c : 3♀♀, Jarabacos, Cordillera Central, 14.XII.1998, leg. Plass; 1♀, (RD), Boca Chica, 1827/6936, 23.-28.I.2000, leg. Plass.

E c u a d o r : 1♂, Tungurahua prov. Banos, 26.II.2002, leg. M. Halada.

G u y a n e F r e n c h : 1♀, 10 km SSE Roura, 17.I.2006, leg. Houska; 1♀♀, 8♂♂, 20 km E St. Laurent du Maroni, route Crique NAL, 25.XII.2006, leg. Snizek; 1♀, 1♂, Relais de Patawa, 35 km S Roura, 17.VI.-16.VII.2000, leg. Kadlec; 1♂, Cacao env., 18.I.2006, leg. Sarovec & Houska.

J a m a i c a : 1♂, Hanover, Lances Bay, 23.-28.II.1992, leg. Heiss.

N i c a r a g u a : 1♀, Granada Dept., Domitila Nat. Priv. Reserva, 11°42.506'N 85°57.253'W, 14.-16.V.2006, leg. Dauber.

***Sphex incomptus* GERSTAECKER 1871** 14♀♀, 36♂♂

K e n y a : 3♂♂, Voi, 16.V.2007, leg. M. Halada; 2♀♀, 6♂♂, Taita Hills Wundanyi, 5.-10.IV.1997, leg. Ma. Halada; 6♂♂, Taita Hills Wundanyi, 18.-22.III.1997, leg. Ma. Halada.

M a l a w i : 1♂, 85 km SE Liongwe Dedza, 5.I.2000, leg. J. Halada; 1♀, Nikhotakota, lake Malawi, 2.I.2002, leg. J. Halada.

M o z a m b i q u e : 1♂, Manicata pr., 30 km NW Catandica, 17.-18.2003, leg. J. Halada.

R S A : 2♂♂, Maputoland SW Emanguzi, 29.I.2003, leg. Snizek; 1♂, Maputoland Tembe Elephant Park env. (Jozini), 22.I.2003, leg. Krivan; 1♂, Maputoland Kos Bay camp, 27.I.2003, leg. Snizek.

T a n z a n i a : 1♂, Pwani prov., 15 km W Kibiti, 07°47'S 38°49'E, 100m, 15.I.2007, leg. J. Halada.

U g a n d a : 1♀, SW Hioma Rwera env., 30.XI.2001, leg. Snizek.

Z a m b i a : 4♀♀, 3♂♂, 70 km NE Kapiri Mposhi, 21.XI.2005, leg. Snizek; 6♀♀, 70 km NE Kapiri Mposhi, 13°41'S 29°18'E, 1250m, 21.XI.2005, leg. M. Halada.

Z i m b a b w e : 7♂♂, Mavhuradonna Saf. A, 15 km SE Muzaraboni, 17.XII.1998, leg. M. Halada; 2♂♂, Ngezi Rec.Park Kwekwe, 1.XII.1998, leg. J. Halada; 1♂, Mushandike N.P. Masvingo, 10.XII.1998, leg. J. Halada.

***Sphex latreillei* LEPELETIER DE SAINT FARGEAU 1831** 37♀♀, 54♂♂ (compared with ♀♂ det. Kohl, NHMW)

C h i l e : 7♀♀, 7♂♂, reg. VIII, 20 km NE El Carmen, riv. Diguillin, 18.I.2004, leg. M. Halada; 5♀♀, 20♂♂, reg. VII, 50 km E Talca, Las Garzas, 15.I.2004, leg. M. Halada; 3♀♀, 2♂♂, reg. VIII, E El Carmen, 18.I.2004, leg. Snizek; 2♀♀, 1♂, reg. V, La Cruz, XI.2000, leg. Stary; 13♀♀, 16♂♂, reg. VII, Talca, Lago Colbun, 14.I.2004, leg. Snizek; 1♀, reg. VII, Talca, Lago Colbun, Las Garzas, 26.XI.2003, leg. Snizek; 1♀, 2♂♂, reg. V, Cabildo, La Vina env., 14.XI.2003, leg. Snizek; 2♀♀, 3♂♂, reg. VIII, SW Qirihue, 8.II.2004, leg. Snizek; 1♀, 3♂♂, reg. VIII, 40 km E Curacautin, 36°33.6'S 71°39.7'W, 860m, 14.II.2005, leg. M. Halada; 1♀, reg. VIII, N Los Angeles, 37°42.3'S 71°26.9'W, 22.I.2005, leg. M. Halada; 1♀, Santiago, I.1985, leg. Pena; 2♂♂, reg. V, El Sauce nr. Los Audes, X.1992, leg. Stary; 1♂, reg. VIII, E Elcarmen, 13.I.2004, leg. Snizek.

***Sphex leuconotus* BRULLÉ 1833** 15♀♀, 12♂♂

A z e r b a i j a n : 1♀, Salzsee Acinohur, 183m, NN, 40°56.06'N 46°56.595'E, 1.VI.2006, leg. Neumayer.

G r e e c e : 1♀, 1♂, Akrokorinth, 24.-25.V.1964, leg. Aigner.

J o r d a n : 1♀, Jordan valley S Shuna, 25.-26.IV.1996, leg. Mi. Halada.

K a z a k h s t a n : 3♀♀, Kaptzagai, 100 km N Alma-Ata, 18.VI.1995, leg. J. Halada & Mucka; 1♀,

1♂, Matai-desert, 46°N 78.6°E, 23.-26.VI.1995, leg. J. Halada; 1♀, sand desert 4 km N Bekanas, Lower Ili riv. valley, 12.VI.2000, leg. Zonstein; 2♂♂, Lepsi, 46.4°N 78.8°E, 19.-20.VI.1995, leg. Mucka.

K y r g y z s t a n : 2♀♀, Kirg. Mt. R. Tschon-Aryk, 900m, 18.VI.2001, leg. Gurko; 1♀, Kirghizsky Mt. R., Uzun-Bulag, Ala-Archa riv., VII.2000, leg. Gurko; 2♀♀, Tshatkal Mt. R. Shilaftar, VII.2001, leg. Gurko; 1♀, Ferghan Mt. R. Toskool-Ata, 1500m, 29.VII.2000, leg. Gurko; 1♂, Tchon-Aryk foothills 2 km S Bishkek, 42°47'N 74°34'E, 24.V.2000, leg. Makogonova; 2♂♂, Burgandi, 60 km W Jalabad, 14.VI.1995, leg. J. Halada.

S y r i a : 1♀, Salah El Din, 23.VI.1994, leg. Hradsky.

T a j i k i s t a n : 4♂♂, Tashkent 40 km vych. Circik, 4.VII.1981, leg. Kocourek.

T u r k e y -east: 1♂, 20 km W Van, 5.VII.1997, leg. Ma. Halada.

T u r k m e n i s t a n : 2♂♂, Aschabat 15 km N, 25.-31.V.1993, leg. M. Halada.

U z b e k i s t a n : 1♂, 50 km W Pahtakor, 40.3°N 67.4°E, 24.V.1994, leg. Ma. Halada.

***Sphex madrasummae* van der VECHT 1973** 21♀♀, 20♂♂ (compared with ♀♂ *S. maurus* (syn.) det. Kohl, NHMW)

M a l a y s i a : 16♀♀, 19♂♂, Negeri Sembilan Port Dickson (SE env.), 2°31'N 101°48'E, 2.-7.IV.2003, leg. Riha & Nemec.

I n d o n e s i a : 4♀♀, 1♂, Nord Celebes, Toli Toli, XI.-XII.1895, leg. Fruhstorfer; 1♀, S Celebes Bua-Kraeng, II.1896, leg. Fruhstorfer.

***Sphex melanocnemis* KOHL 1885** 11♀♀, 15♂♂

C h i n a (!): 1♂, Tientsin (= Tianjin), 1900, leg. ? This male is deposited in the Museum of Natural History of Vienna !

J o r d a n : 1♀, North Shuna, 29.-30.IV.1996, leg. Ma. Halada; 1♀, N Shuna, 20.-22.IV.1996, leg. Ma. Halada; 1♀, Jordan Valley Dayr Alla, 27.VI.1996, leg. Ma. Halada; 1♀, N Shuna env., 29.-30.IV.1996, leg. Mi. Halada.

S y r i a : 2♀♀, Kafr, Suwayda, 21.VI.2000, leg. M. Halada; 1♀, 9♂♂, 30 km S Suwayda Dibbin, 15.-17.V.1996, leg. Ma. Halada; 1♂, 20 km NE Latakia, 25.V.1996, leg. Mi. Halada.

T u r k e y : 2♀♀, 4♂♂, Canakkale Gelibou env., 18.VI.1998, leg. J. Halada; 1♀, Halfeti (Birecik), 31.V.1998, leg. Ma. Halada; 1♀, SE Elazig Hazar Gölü, 29.VI.2000, leg. M. Halada.

***Sphex melanopus* DAHLBOM 1843** 3♀♀, 9♂♂ (compared with ♂ det. Kohl and ♀ *S. funestus* (syn.) det. Kohl, NHMW)

E c u a d o r : 1♂, Napo prov., 8 km S Tena, Puerto Napo, 400m, 16.-22.II.2002, leg. Ma. Halada;1♀, Napo prov., 70 km SW Coca, Loreto, 300m, 4.-10.II.2002, leg. Ma. Halada.

G u y a n e F r e n c h : 3♂♂, Relais de Patawa, 35 km S Roura, 17.VI.-16.VII.2000, leg. Kadlec; 2♂♂, Mount de Kaw Fourgassie, 5.VIII.2006, leg. Snizek; 1♂, Roura env., 18.XI.1995, leg. Snizek; 1♂, Roura, Fourgassie env., 15.-30.XII.2006, leg. Snizek; 1♂, 10 km SSE Roura, 17.I.2006, leg. Houska; 2♀♀, Régina env., 25.-31.I.2006, leg. Sarovec & Houska.

***Sphex neavei* (ARNOLD 1928)** 9♀♀, 12♂♂

N o t e : The males of this species are characterized by the shape of eight sternite and genitalia and are easey to determine, the females can only be hypothetically assigned to these males.

K e n y a : 1♀, 2♂♂, Taita Hills Wundanyi, 5.-10.IV.1997, leg. Ma. Halada; 2♀♀, 1♂, Taita Hills Wundanyi, 18.-22.III.1997, leg. Ma. Halada; 2♂♂, (Tsavo) Tai Hills Wundanyi, 19.-21. XI.1996, leg. Mi. Halada; 1♀, Taita Hills, 24.XI.1997, leg. Snizek; 1♂, Nairobi Mutaiga Road, 4.IV.2007, leg. M. Halada.

M a l a w i : 1♀, 1♂, 100 km S Kasungu, 29.XII.2001, leg. J. Halada; 1♀, 85 km SE Lilongwe, 5.-12.I.2002, leg. J. Halada.

T a n z a n i a : 1♂, Usambara mts., Lushoto env., 27.III.-1.IV.1997, leg. Kubon.

Z i m b a b w e : 1♂, Matobo Bulawayo, 30.I.1998, leg. Ma. Halada.

V a r i a t i o n : Propodeum of males and females with greyish pubescense, the shape of male genitalia is identical with the specimens above.

Z a m b i a : 1♂, E Mutumbwe NW Kasempa, 15.IX2005, leg. Snizek; 1♀, 2♂♂, 150 km SW Solwezi, 13°02'S 25°45'E, 1300m, 15.XI.2005, leg. M. Halada; 1♂, 80 km SSW Solwezi, 12°45'S 26°02'E, 1400m, 13.XI.2006, leg. M. Halada; 1♀, Solwezi env., 1.-3.XII.2002, leg. J. Halada; 1♀, 90 km Solwezi E Chisasa, 9.IX.2005, leg. Snizek; 1 ♀, 30 km E Solwezi, 12°21'S 27°01'E, 1400m, 8.XI.2005, leg. M. Halada.

***Sphex nigrohirtus* KOHL 1895** 2♀♀ (compared with ♀ det. Kohl, NHMW)

U g a n d a : 1♀, 20-50 km NEE Fort Portal, 26.XI.2001, leg. Snizek.

Z i m b a b w e -E: 1♀, Chirinda Forest Land, Mt. Selinda, 24.I.1998, leg. Ma. Halada.

***Sphex nitidiventris* SPINOLA 1851** 1♀ (compared with type *S. neotropicus* (syn.) det. Kohl, NHMW)

E c u a d o r : 1♀, Napo prov., 8 km S Tena, Puerto Napo, 400m, 16.-22.II.2002, leg. Ma. Halada.

***Sphex opacus* DAHLBOM 1845** 2♂♂

A r g e n t i n i a : 2♂♂, Catamorca Tinogasta, II.1963, leg. Walz.

***Sphex oxianus* GUSSAKOVSKIJ 1928** 9♀♀, 7♂♂

A r m e n i a : 5♂♂, Megri, 12.VI.2003, leg. Mucka.

K a z a k h s t a n : 1♀, Dzambul env. (115 km) Akkol (polopoust), 1.V.1980, leg. Padr.

K y r g y z s t a n : 1♀, Zailijsky Alatau Mt.R., Ak-Tjuz, VII.2000, leg. Gurko.

S y r i a : 1♂, Dibbin, 30 km S Suwayda, 15.-17.V.1996, leg. Mi. Halada.

T a d z h i k i s t a n : 1♀, Babatag Mts., 30.IV.1977, leg. Svozil; 1♀, Nurek (dam), 7.-10.VI.1970, leg. J. & M. Halada.

T u r k m e n i s t a n : 3♀♀, Aschabat 40 km W Firiuza, 6.VI.1993, leg. M. Halada; 1♀, Svinc Rudnik, 26.V.1992, leg. Kletecka; 1♂, Nebit-Dag, 25 km NW Jebel, 22.V.1993, leg. M. Halada.

V a r i a t i o n (?): The body of this female is completely black, petiole as long as width (!) and wings are more yellowish than usual.

K a z a k h s t a n : 1♀, Matai-desert, 48°N 78.6°E, 23.-25.VI.1995, leg. J. Halada.

***Sphex praedator* F. SMITH 1858** 11♀♀, 15♂♂

The following Asian specimens are running in the key of HENSEN 1991: 26 to *S. praedator*.

I n d i a : 1♀, Tamil Nadu, 11 km SE Kotagirt Kunchapani, 1100m, 11°24'N 76°56'E, V.2003, leg. Pacholatko; 1♀, Tamil Nadu, Nilgiris, 15 km SE Kotagiri Kunchappanai, 900m, 11°22'N 76°56'E, 7.-22.V.2000, leg. Rolcik.

I n d o n e s i a : 2♀♀, W-Java, Bogor, Bot. Gard., 14.XII.1960, leg. Hamann; 1♂, W-Sumatra, Mt. Singgalang Annai Valley n.f., 500m, 14.X.2005, leg. Jakl.

M a l a y s i a : 1♀, 1♂, Pahang Banjaran Bnom Mts., 20 km S Kampong Ulu Dong, 17.-23.IV.1997, leg. Cechovsky.

These African specimens are running in the key of ARNOLD 1928: 343 to *S. luteipennis* MOCSARY 1883 which is a synonym of *S. praedator*. Yet the male genitals and the black hairs on the sternites are quite different in African and Asian specimens. V.d. VECHT 1973: 348 " The specimens recorded as *S. luteipennis* from Africa by KOHL (1890), BERLAND (1927: 153), and ARNOLD (1928: 363) have been misidentified and belong to one more different species". Further examinations should be done to clear up this synonymy.

R S A : 2♀♀, 6♂♂, Kwazulu Natal, 20 km S Bergville, 5.II.2001, leg. Snizek; 2♂♂, 2♂♂, Mpumalanga Waterval Boven, 10.-11.II.2000, leg. J. Halada; 1♂, Kw. Natal, Eshove env., 5.-6.II.2000, leg. J. Halada; 2♀♀, 1♂, Pretoria City, 12.II.2000, leg. J. Halada; 1♂, Kw. Natal, S Port Shepstone 20 km W, 2.II.2000, leg. J. Halada; 1♂, Pretoria, 5 km S Brits, 20.I.2000, leg. J. Halada; 1♀, Kw. Natal E, 20 km NW Nongoma forest, 8.II.2000, leg. J. Halada.

Z a m b i a : 1♂, 60 km W Solwezi, 4.-8.I.2003, leg. J. Halada; 1♀, 50 km W Chingola, 1.-2.I.2003, leg. J. Halada.

Z i m b a b w e : 1♂, Harare env., 20.I.1998, leg. Ma. Halada.

***Sphex prosper* KOHL 1890** 6♀♀ (compared with Lectotype ♀ det. Kohl, NHMW)

N o t e : The hairs on the body of the Lectotype are much longer than in the following specimens, the determination is therefore doubtful!

A r g e n t i n a : 1♀, Catamorca Tinogasta, II.1963, leg. Walz.

G u y a n e F r e n c h : 4♀♀, Relais de Patawa, 35 km S Roura, 17.VI.-16.VII.2000, leg. Kadlec; 1♀, Mount de Kaw, Camp Caiman, 23.-31.VIII.2006, leg. Snizek.

***Sphex pruinosus* GERMAR 1817** 29♀♀, 86♂♂ (compared with ♂ det. Kohl, NHMW)

A l b a n i a : 1♀, Elbasan, IX.1918, leg. Priesner.

B u l g a r i a : 1♀, 1♂ Sandanski, VII.1966, leg. Kocourek; 1♂, Melnik, 13.VIII.1993, leg. M. Halada; 1♂, Kresna, 12.VII.1990, leg. Tkalců; 2♀♀, Sandanski-mesto, 18.VII.1966, leg. Kocourek; 1♀, Sandanski-mesto, 25.VII.1966, leg. Kocourek.

C r o a t i a : 2♀♀, Mala Veska, VIII.1967, leg. Blaha.

E g y p t : 1♂, Giza Naslet el Saman, 6.VII.1974, leg. Zouhar.

E t h i o p i a - S : 1♀, Sidamo pr., 10 km SE Konsa, 1150m, 17.IV.2007, leg. J. Halada.

G r e e c e : 1♀, 1♂, Pelopon., 40 km S Argos P. Astros, 4.VII.1996, leg. Ma. Halada; 3♂♂, Pelopon., 20 km N Pilos Marathopoli, 8.VII.1996, leg. Ma. Halada; 1♂, Kreta sept-occ., Rapanina, 26.VI.2002, leg. Tkalců; 2♀♀, 2♂♂, Samos, Pythagoria Umg. Hotel Maritsa Bay, 37°42'N 28°57'E, 6.-19.VI.2007, leg. Tiefenthaler.

M o r o c c o : 1♀, Antiatlas Agdz, 13.V.2003, leg. M. Halada.

K y r g y z s t a n : 3♀♀, 1♂♂, Ferhana valley near Masy, 3.VIII.2001, leg. Gurko; 1♀, 1 ♂, Tshatkal Mt. R. Shikaftar, VIII.2001, leg. Gurko; 3♂♂, Ferghan Mt. R., Toskol-Ata, 29.VII.2000, el. Gurko; 1♂, Alai Mt. R. foothills near Kurshab, 11.VII.20002, leg. Makogonova; 1♂, Dzahal-Abad area, Shamaldy-Say, VI.2000, leg. Gurko.

P a k i s t a n : 1♀, W Balochisdtan Tump (90 km W Turbat), 13.-15.IV.?, leg. Becvar.

S y r i a : 3♂♂, Faouar, 35°55'N 33°13'E, 21.VIII.2001, leg. Plass; 1♂, Faouar, UN-Camp, 960m, 35°55'N 33°13'E, 8.VII.2001, leg. Plass.

T a j i k i s t a n : 1♂, 21 km S Tajikabad Ganiskow, VII.2000, leg. Gurko; 4♂♂, Taskent 40 km vych Circik, 4.VII.1981, leg. Kocourek.

T u r k e y : 2♀♀, 13♂♂, Denizli, 35 km SSE Denizli, 37°37'N 29°17'E, 970m, 5.VII.2006, leg. J. & M. Halada; 2♀♀, 3♂♂, Denizli, 10 km NE Denizli, 37°56'N 29°07'E, 290m, 4.VII.2006, leg. M. Halada; 1♀ 3♂♂, Manisia, 40 km NW Salihli, 38°40'N 27°45'E, 150m, 26.VI.2006, leg. J. Halada; 1♀, 6♂♂, Isparta, 8 km NE Isparta, 37°52'N 30°40'E, 1020m, 9.VII.2006, leg. M. Halada; 1♀, 8♂♂, Icel (Mersin) Büyükeceli (Ovacik) env., 50-100m, 14.-18.VII.1998, leg. Riha;

1♀, 1♂, SE Elazig, Hazar Gölü, 29.VI.2000, leg. M. Halada; 1♀, Kahramanmaras Pazarcik, 24.VI.2000, leg. M. Halada; 1♀, 20 km NE Alanya, 16.VI.1997, leg. Ma. Halada; 1♀, Maranris, 23.VIII.1987, leg. Link; 8♂♂, Denizli, 10 km NE Denizli, 37°56'N 29°07'E, 270m, 5.VII.2006, leg. J. Halada; 1♂, Manisia, 15 km SEE Salihli, 38°26'N 28°19'E, 170m, 2.VII.2006, leg. J. Halada; 1♂, Manisia, 30 km SEE salihli, 38°22'N 28°25'E, 430m, 29.VI.2006, leg. M. Halada; 3♂♂, Isparta, Egirdir Gölü, 5 km N Akkecili, 38°06'N 30°46'E, 920m, 10.VII.2006, leg. J. & M. Halada; 7♂♂, Canakkale, 6 km N Ezine, 39°51'N 26°19'E, 35m, 27.VI.2006, leg. J. Halada; 1♂, vil. Adana, Ciceki env. (25 km N Adana), 50m, 3.-5.VII.1998, leg. Riha; 1♂, Silifke env., 4.VII.1993, leg. Mi. Halada.

T u r k m e n i s t a n : 2♂♂, Nebit Dag, 25 km NW Jebel, 22.V.1993, leg. M. Halada.

***Sphex rufiscutis* TURNER 1918)** 5♀♀, 2♂♂

Y e m e n : 2♀♀, 20 km NW Dhawran, 14°40'N 44°13'E, 1800m, 29.X.2005, leg. J. Halada; 1♀, Jabal Bura, NEE Al Hudaydah, 200-800m, 14°52'N 43°24'E, 30.X.-1.XI.2005, leg. J. Halada.

R S A : 1♀, Mpumalanga, 40 km SW Komalipoor, 1.-2.I.2004, leg. J. Halada.

T a n z a n i a : 1♀, Morogoro pr., 50 km SW Morogoro, 06°50'S 37°15'E, 450m, 12.I.2007, leg. J. Halada.

Z i m b a b w e : 2♂♂, Birchenough bridge 10-20 km S, 24.XII.1998, leg. Snizek.

***Sphex satanas* KOHL 1898** 9♀♀, 20♂♂ (compared with ♀ det Kohl and ♂ type det. Kohl, NHMW)

Females scutellum and metanotum black, wings reddish brown with violaceus lustre.

M o z a m b i q u e : 1♀, Manica pr., 65 km W Chimoio, 10-11.XII.2003, leg. J. Halada; 1♀, 15 km SSE Manje, 15°29'S 33°16'E, 530m, 2.-4.XII.2005, leg. Kadlecova.

T a n z a n i a : 1♀, Dodoma pr., 50 km N Kondoa, 04°36'S 35°46'E 1570m, 19.XII.2006, leg. J. Halada.

Z a m b i a : 1♀, 150 km W Sohwezi Ntambu, 12°18'S 25°10'E, 1350m, 11.XI.2005, leg. M. Halada; 1♂, 70 km NE Kapiri Mposhi, 21.XI.2005, leg. Snizek.

Z i m b a b w e : 1♀, 60 km SW Gweru Shangani, 2.XII.1998, leg. Ma. Halada.

V a r i a t i o n : in females scutellum and metanotum reddish, wings hyaline apicale margin fuscous.

K e n y a : 1♀, 1♂, Voi (Tsavo), 23.III.-4.IV.1997, leg. Ma. Halada; 1♀ 1♂, Voi, 16.V.2007, leg. M. Halada; 1♀, 3♂♂, Voi (Tsavo) env., 8.-18.XI.1996, leg. Mi. Halada; 1♂, Voi (Tsavo) env. 22.XI.-2.XII.1996, leg. Mi. Halada; 6♂♂, Mwingi Kangonde vadi, 18.IV.2007, leg. M. Halada; 1♂, E Mwingi, 14.V.2007, leg. M. Halada; 1♂, Mwingi env., 7.IV.2007, leg. M. Halada.

T a n z a n i a : 1♀, 4♂♂, Dodoma pr., 35 km N Dodoma, 1100m, 05°54'S 35°45'E, 14.XII.2006, leg. J. Halada.

***Sphex sericeus* (FABRICIUS 1804)** 20♀♀, 5♂♂ (compared with ♀♂ *S. aurulentus* (syn.) det. Kohl, NHMW)

B u r m a : 1♀, Rangood Taukhan, XI.1996, leg. Klicha.

C h i n a : 1♀, Yunnan, Daju, 24.-27.VI.1994, leg. Kucera; 1♀, Yunnan, Daju, 7.-10.VI.1995, leg. Kucera.

I n d i a : 1♀, Assam Nameri Nat. Park, Tezpus 60 km N, 150m, VIII.1997, leg. Afonin-Siniaev; 1♀, Tamil Nadu, 11 km SE Kotagiri Kurchapani, 1100m, 11°24'N 76°56'E, V.2003, leg. Pacholatko; 1♂, Anamalai Hills Cinchona, 3500 Fr., XI.1968, leg. ?; 1 ♀, Uttar Prades bor. Haridvar-Chila, 300m, 5.-14.VIII.1994, leg. Valenta; 1♀, Kerala, Pompa Sabramila, 09°24.9'N 77°03.9'E, 3.V.2005, leg. M. Halada.

I n d o n e s i a : 1♀, Insel Dammer, 238, leg. ?; 3♀♀, W-Java, Udjung-kulon, Küstenwald

sweepnet, VI.1959, leg. Hamann; 2♀♀, W-Java, Bogor Bot. Gard., 250m, 13.I.1961, leg. Hamann; 1♀, W-Java, Bogor, Kosien, III.-IV.1960 leg. Hamann; 1♀, W-Java, Bogor, Bot. Gard., 250m, 1956, leg. Hamann; 1♀, W-Java, Bogor, 10.II.1960, leg. Hamann; 1♀, 1♂, Java, Kebun Raya, 22.XII.1960 leg. Mauis; 2♂♂, Bogor, III.1960, leg. Hamann; 1♂, Sulawesi-SE, Buton isl., South Lasalimu reg., VII.2005, leg. Jakl.

L a o s : 1♀, Lao Pako env., 55 km NE Vientiane, 4.V.2004, leg. Kantner.

M a l a y s i a -W: 1♀, Perak, 25 km NE Ipoh, Baniaran Titi Wangsa mts., Korbu mt. 2100m, 4.-13. III.1998, leg. Cechovsky.

T h a i l a n d - N E : 1♀, 1♂, Pai (Sopong), 6.-9.VI.1997, leg. Snizek.

Sphex stadelmanni integer (ARNOLD 1928) 8♀♀, 13♂♂

N o t e : The males of this species are characterized by the shape of genitalia and are easy to determine, the females can be only hypothethically assigned to this species.

K e n y a : 1♀, Taita Hills Wundanyi, 5.-10.IV.1997, leg. Ma. Halada.

M a l a w i : 2♀♀, 85 km SE Lilongwe Dezda, 5.-12.I.2002, leg. J. Halada.

R S A : 1♀, 2♂♂, Mpumalanga, 20 km NW Nelspruit, 26.XI.2003, leg. J. Halada; 1♂, Kwaza Zulu Natal-NE, 20 km S Emanguzi, 3.XII.2002, leg. Ma. Halada; 1♀, 1♂, Kwaza Zulu Natal, Mbazwana, 6.XII.2002, leg. Ma. Halada.

V a r i a t i o n : The legs of these females and males are dark-reddish, but male genitales are identically shaped like the specimens obove.

K e n y a : 1♀, 6♂♂, Taita Hills Wundanyi, 5.-10.IV.1997, leg. Ma. Halada; 2♀♀, 3♂♂, Taita Hills Wundanyi, 18.-22.III.1997, leg. Ma. Halada.

Sphex subtruncatus DAHLBOM 1843 3♀♀, 5♂♂ (compared with ♀ det. Kohl, NHMW)

I n d i a : 2♂♂, Arunchal, 8 km S Jamiri, 350m, 27°07'N 92°34'E, 26.V.-4.VI.2005, leg. Pacholatko; 1♂, Uttaranchal st., 55 km NE Bageshwar, 2300m, 8.VII.2003, leg. Kejval & Tryzna; 1♂, NW Chamba Uttaranchal state, 30 km N Rishikesh, 1500m, 30.VII2003, leg. Kejval &Tryzna; 1♂, Karnataka, 40 km SW Shimoga, 600m, 13°36'74''N 75°07'98''E, 10.V.2006, leg. M. Halada; 2♀♀, Meghalaya Cherrapunjee, 25°13'N 91°40'E, 900m, 10.V.2006, leg. Pacholatko.

L a o s - N : 1♀, (Louangphrabang), 19°35'N 101°58'E, Thong Khan, 750m, 11.-21.V.2002, leg. Kuban.

Sphex tomentosus FABRICIUS 1787 2♀♀, 4♂♂ (compared with ♀♂ det. Hensen, NHMW)

K e n y a : 1♀, Taita Hills, Voi riv., 14.IV.2007, leg. M. Halada.

M a l a w i : 1♂, Nkhotakota, lake Malawi, 2.I.2002, leg. J. Halada.

T a n z a n i a : 3♂♂, Shinyanga pr., 100 km NNW Kahama, 03°25'S 31°47'E, 1200m, 24.XII.2006, leg. J. Halada; 1♀, Pwani prov., 15 km W Kibiti, 07°47'S 38°49'E, 100m, 15.I.2007, leg. J. Halada.

Sphex torridus F. SMITH 1873 7♀♀, 7♂♂

M a d a g a s k a r : 3♀♀, 7♂♂, 30 km E Ambanja Moravato, 1.XII.2001, leg. Pljushich; 1♀, Antsiranana prov. Ambodidimaka env., E Ambanja, 16.XII.2002, leg. Jenis; 1♀, Antseranana distr. Sambirana riv. Marovato vill., 5.-12.XII.2001, leg. Horak; 1♀, 9 km NE Pt. Dauphin Foret de Mandena, 24°57'S 47°00'E, II.2004, leg. Bulirsh;1♀, 22 km NE Esira Mt. Belomotra, 1350m, 24°13'S 46°53'E, II.2004, leg. Bulirsh.

The following female and 4 males of *Sphex* could not be determined: Benin (2♂♂), Morocco (1♂), Turkmenistan(1♂), USA (1♀), Zambia (1♂).

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Zusammenfassung

4914 Exemplare von Sphecini aus aller Welt wurden untersucht. Es konnten 41 Arten von der Gattung *Sphex*, 23 Arten von *Prionyx*, 8 Arten von *Palmodes*, 22 Arten von *Isodontia* und 2 Arten von *Chilosphex* gefunden werden.

Alle Informationen über Fundorte, Fangdaten sowie die Namen der Sammler sind aufgelisted.

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